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FRANCIS FUKUYAMA

OUR POSTHUMAN FUTURE:
CONSEQUENCES OF
THE BIOTECHNOLOGY REVOLUTION

我们的后人类未来：生物技术革命的后果

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译 者_ 黄立志

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[1] Martin Heidegger, *Basic Writings* [illegible]New York: Harper and Row, 1957[illegible], p. 308. [illegible]“[illegible]” [illegible]Gestell[illegible]Gestell[illegible]Enframing[illegible]1996[illegible]1[illegible]946[illegible]

[2] Peter Huber, *Orwell's Revenge: The 1984 Palimpsest* (New York: Free Press, 1994), pp. 222-228.

[3] Leon Kass, *Toward a More Natural Science: Biology and Human Affairs* (New York: Free Press, 1985), p. 35.

[4] Bill Joy, "Why the Future Doesn't Need Us," *Wired* 8 (2000): 238-246.

[5] Tom Wolfe, "Sorry, but Your Soul Just Died," *Forbes ASAP,* December 2, 1996.

[6] Letter to Roger C. Weightman, June 24, 1826, in *Life and Selected Writings of Jefferson,* Thomas Jefferson (New York: Modern Library, 1944), pp. 729-730.

[7] Francis Fukuyama, The *End of History and the Last Man* (New York: Free Press, 1992).

[8] Ithiel de Sola Pool, *Technologies of Freedom* (Cambridge, Mass.: Harvard/Belk-nap, 1983).

[9] □□□□□□□□Leon Kass, "Introduction: The Problem of Technology," in *Technology in the Western Political Tradition,* ed. Arthur M. Melzer et al. (Ithaca, N.Y: Cornell University Press, 1993), pp. 10-14.

[10] □□Francis Fukuyama, "Second Thoughts: The Last Man in a Bottle," *The Na-tional Interest,* no. 56 (Summer 1999): 16-33.

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[1] [illegible]http://www.liebertpub.com/ebi/ defaultJ.asp.

[2] [illegible]Anne Farmer and Michael J. Owen, “Genomics: The Next Psychiatric Revolution? ,” *British Journal of Psychiatry* 169 (1996): 135-138. [illegible]Robin Fears, Derek Roberts, et al., “Ra-tional or Rationed Medicine? The Promise of Genetics for Improved Clinical Practice,” *British Medical Journal* 320 (2000): 933-995; and C. Thomas Caskey, “DNA-Based Medicine: Prevention and Therapy,” in Daniel J. Kevles and Leroy Hood, eds., *The Code of Codes: Scientific and Social Issues in the Human Genome Project* (Cambridge, Mass.: Harvard University Press, 1992).

[3] [illegible]Frans de Waal, “The End of Nature versus Nurture,” *Scientific American* 281 (1999): 56-61.

[4] Madison Grant, *The Passing of the Great Race; or, the Racial Basis of European History,* 4th ed., rev. (New York: Charles Scribner’s Sons, 1921).

[5] Jay K. Varma, “Eugenics and Immigration Restriction: Lessons for Tomorrow,” *Journal of the American Medical Association* 275 (1996): 734.

[6] [illegible]Ruth Hubbard, “Constructs of Genetic Difference: Race and Sex,” in Robert F. Weir and Susan C. Lawrence, eds., *Genes, Hu-mans, and Self- Knowledge* (Iowa City: University of Iowa Press, 1994), pp. 195-205; and Ruth Hubbard, *The Politics of Women’s Biology* (New Brunswick, N.J.: Rutgers Univer-sity Press, 1990).

[7] Carl C. Brigham, A *Study of American Intelligence* (Princelon, N.J.: Princeton University Press, 1923).

[8] [illegible]Edward O. Wilson, *Consilience: Unity of Knowledge* (NewYork: Knopf, 1998), pp. 125-130.

[9] Margaret Mead, *Coming of Age in Samoa: A Psyclwlogical Study of Primitive Youth for Western Civilization* (New York: William Morrow, 1928).

[10] Donald Brown, *Human Universals* (Philadelphia: Temple University Press, 1991), p. 10.

[11] Nicholas Wade, “Of Smart Mice and Even Smarter Men,” *The New York Times,* September 7, 1999, p. F1.

[12] Matt Ridley, *Genome: The Autobiography of a Species* in 23 Chapters (New York: HarperCollins, 2000), p. 137.

[13] Luigi Luca Cavalli-Sforza, *Genes, Peoples, and Languages* (New York: North Point Press, 2000), and, with Francesco Cavalli-Sforza, *Great Human Diasporas: The History of Diversity and Evolution* (Reading, Mass.: Addison-Wesley, 1995).

[14] [illegible]C. Cloninger, M. Bohman, et al., “Inheritance of Alcohol Abuse: Crossfostering Analy-sis of Alcoholic Men,” *Archives of General Psychiatry* 38 (1981): 861-868.

[15] Charles Murray and Richard J. Herrnstein, *The Bell Curve: Intelligence and Class Structure in American Life* (New York: Free Press, 1995).

[16] [illegible]

[17] Charles Murray, “IQ and Economic Success,” *Public Interest* 128 (1997): 21-35.

[18] Arthur R. Jensen, “How Much Can We Boost IQ and Scholastic Achievement?,” *Harvard Educational Review* 39 (1969): 1-123.

[19] [illegible]Claude S. Fischer et al., *Inequality by Design: Cracking the Bell Curve Myth* (Princeton, N.J.: Princeton University Press, 1996).

[20] Robert G. Newby and Diane E. Newby, “The Bell Curve: Another Chapter in the Continuing Political Economy of Racism,” *American Behavioral Scientist* 39 (1995): l2-25.

[21] Stephen J. Rosenthal, “The Pioneer Fund: Financier of Fascist Research,” *Amer-ican Behavioral Scientist* 39 (1995): 44-62.

[22] [illegible]Nicholas Lemann, *Big Test: Secret History of the American Meritocracy* (New York: Farrar, Straus and Giroux, 1999).

[23] Francis Galton, *Hereditary Genius: An Inquiry into Its Laws and Consequences* (New York: Appleton, 1869.

[24] Karl Pearson, *National Life from the Standpoint of Science,* 2d ed. (Cambridge: Cambridge University Press, 1919), p. 21.

[25] Stephen Jay Gould, *The Mismeasure of Man* (New York: W. W. Norton, 1981).

[26] Leon Kamin, *The Science and Politics of IQ* (Potomac, Md.: L. Erlbaum Associ-ates, 1974).

[27] Richard C. Lewontin, Steven Rose, et al., *Not in Our Genes: Biology, Ideology, and Human Nature* (New York: Pantheon Books, 1984). [illegible]Thomas J. Bouchard, Jr., “IQ Similarity in Twins Reared Apart: Find-ings and Responses to Critics,” in Robert J. Sternberg and Elena L. Grigorenko, eds., *Intelligence, Heredity and Environment* (Cambridge: Cambridge University Press, 1997); and Thomas J. Bouchard, Jr., David T. Kykken, et al., “Sources of Human Psychological Differences: The Minnesota Study of Twins Reared Apart,” *Science* 226 (1990): 223-250.

[28] Robert B. Joynson, *The Burt Affair* (London: Routledge, 1989); and R. Fletcher, “Intelligence, Equality, Character, and Education,” *Intelligence* 15 (1991): 139-149.

[29] Robert Plomin, “Genetics and General Cognitive Ability,” *Nature* 402 (1999): C25-C44.

[30] [illegible]Howard Gardner, *Frames of Mind: The Theory of Multiple Intelli-gences* (New York: Basic Books, 1983); and *Multiple Intelligences: The Theory in Practice* (New York: Basic Books, 1993).

[31] See Bernie Devlin et al., eds., *Intelligence, Genes, and Success: Scientists Respond to The Bell Curoe* (New York: Springer, 1997); Ulric Neisser, ed., *Rising Curoe: Long-Term Gains in IQ and Related Measures* (Washington, D.C.: Ameri-can Psychological Association, 1998); David Rowe, “A Place at the Policy Table: Behavior Genetics and Estimates of Family Environmental Effects on IQ,” *Intel-ligence* 24 (1997): 133-159; Sternberg and Grigorenko (1997), and Christopher Jencks and Meredith Phillips, *The Black—Mite Test Score Gap* (Washington, D.C.: Brookings Institution Press, 1998).

[32] [illegible]“[illegible]……[illegible]50%……[illegible]……[illegible]0.68—0.78[illegible]”……Ulric Neisser and Gweneth Boodoo et al., “Intelligence: Knowns and Unknowns,” *American Psychologist* 51 (1996): 77-101.

[33] Michael Daniels, Bernie Devlin, and Kathryn Roeder, “Of Genes and IQ,” in Dev-lin et al. (1997).

[34] James Robert Flynn, “Massive IQ Gains in 14 Nations: What IQ Tests Really Measure,” *Psychological Bulletin* 101 (1987): 171-191; and “The Mean IQ of Amer-icans: Massive Gains 1932-1978,” *Psychological Bulletin* 95 (1984): 29-51.

[35] James Q. Wilson and Richard J. Hem- stein, *Crime and Human Nature* (New York: Simon and Schuster, 1985), pp. 72--75.-

[36] Sarnoff Mednick and William Gabrielli, “Genetic Influences in Criminal Convic-tions: Evidence from an Adoption Cohort,” *Science* 224 (1984): 891-894; and Sarnoff Mednick and Terrie E. Moffit, *Causes of Crime: New Biological Ap-proaches* (New York: Cambridge University Press, 1987).

[37] Wilson and Herrnstein (1985), p. 94.

[38] Troy Duster, *Backdoor to Eugenics* (New York: Rout-ledge, 1990), pp. 96-101.

[39] Travis Hirschi and Michael Gottfredson, *A General Theory of Crime* (Stanford, Calif.: Stanford University Press, 1990).

[40] H. Stattin and I. Klackenberg-Larsson, “Early Language and Intelligence Devel-opment and Their Relationship to Future Criminal Behavior,” *Journal of Abnormal Psychology* 102 (1993): 369-378.

[41] Wilson and Herrnstein (1985), pp. 104-147.

[42] Richard Wrangham and Dale Peterson, *Demonic Males: Apes and the Origins of Humam Violence* (Boston: Houghton Mifflin, 1996).

[43] Frans de Waal, *Chimpanzee Politics: Power and Sex among Apes* (Baltimore: Johns Hopkins University Press, 1989).

[44] H. G. Brunner, “Abnormal Behavior Associated with a Point Mutation in the Structural Gene for Monoamine Oxidase A,” *Science* 2.62. (1993): 578-580.

[45] Lois Wingerson, *Unnatural Selection: The Promise and the Power of Human Gene Research* (New York: Bantam Books, 1998), pp. 291-294.

[46] “” “” “” Sheldon Glueck and Eleanor Glueck, *Delinquency and Non-delinquency in Perspective* (Cambridge, Mass.: Harvard University Press, 1968). Gluecks Robert J. Sampson and John H. Laub, *Crime in the Making: Pathways and Turning Points Through Life* (Cambridge, Mass.: Harvard University Press, 1993).

[47]

[48] 1965 Francis Fukuyama, *The Great Disruption: Hu-man Nature and the Reconstitution of Social Order* (New York: Free Press, 1999), pp. 77-87.

[49] Martin Daly and Margo Wilson, *Homicide* (New York: Aldine de Gruyter, 1988).

[50] Tom Wolfe, *Hooking Up* (New York: Farrar, Straus and Giroux, 2.000), pp. 92-94.

[51] Wingerson (1998), pp. 294-297.

[52] David Wasserman, “Science and Social Harm: Genetic Research into Crime and Violence,” *Report from the Institute for Philosophy and Public Policy* 15 (1995): 14-19.

[53] Wade Roush, “Conflict Marks Crime Conference; Charges of Racism and Eu-genics Exploded at a Controversial Meeting,” *Science* 2.69 (1995): 1808-1809.

[54] Alice H. Eagley, “The Science and Politics of Comparing Women and Men,” *American Psychologist* 50 (1995): 145-158.

[55] Donald Symons, *The Evolution of Humam Sexuality* (Oxford: Oxford University Press, 1979).

[56] Eleanor E. Maccoby and Carol N. Jacklin, *Psychology of Sex Differences* (Stan-ford, Calif.: Stanford University Press, 1974).

[57] Ibid, pp. 349-355.

[58] Eleanor E. Maccoby, Two *Sexes: Growing Up Apart, Coming Together* (Cam-bridge, Mass.: Belknap/HalYard, 1998), pp. 32-58.

[59] Ibid., pp. 89-117.

[60] Matt Ridley, The *Red Queen: Sex and the Evolution of Human Nature* (New York: Macmillan, 1993), pp. 279-280. Ridley□□Hurst□Haig□□□□□□□□“□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□”□□□

[61] Simon LeVay, “A Difference in Hypothalamic Structure Between Heterosexual and Homosexual Men,” *Science* 253 (1991): 1034-1037.

[62] Dean Hamer, “A Linkage Between DNA Markers on the X Chromosome and Male Sexual Orientation,” *Science* 261 (1993): 321-327.

[63] William Byne, “The Biological Evidence Challenged,” *Scientific American* 270, no. 5 (l994): 50 -55.

[64] Robert Cook-Degan, *The Gene Wars: Science, Politics, and the Human Genome* (New York: W. W. Norton, 1994), p. 253.

第3章
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[1] Peter D. Kramer, *Listening to Prozac* (New York: Penguin Books, 1993), p. 44; see also Tom Wolfe’s account in *Hooking Up* (New York: Farrar, Straus and Giroux, pp. 100-101.

[2] Roger D. Masters and Michael T. McGuire, eds., *The Neurotransmitter Revolu-tion: Serotonin, Social Behavior, and the Law* (Carbondale, 1ll.: Southern Illinois University Press, 1994).

[3] Ibid., p. 10.

[4] Kramer (1993); and Elizabeth Wurtzel, *Prozac Nation: A Memoir* (New York: Riverhead Books, 1994).

[5] Kramer (1993), pp. 1-9.

[6] Joseph Glenmullen, *Promc Backlash: Overcoming the Dangers of Promc, Zoloft, Paxil, and Other Antidepressants with Safe, Effective Alteratives* (New York: Si-mon and Schuster, 2000), p. 15.

[7] Irving Kirsch and Guy Sapirstein. “Listening to Prozac but Hearing Placebo: A Meta-Analysis of Antidepressant Medication,” *Prevention and Treatment* 1 (1998); Larry E. Beutler, “Prozac and

Placebo: There's a Pony in There Somewhere," *Pre-vention and Treatment* 1 (1998); and Seymour Fisher and Roger P. Greenberg, "Prescriptions for Happiness?," *Psychology Today* 28 (1995): 32-38.

[8] Peter R. Breggin and Ginger Ross Breggin, *Talking Back to Promc: What Doctors Won't Tell You About Today's Most Controversial Drug* (New York: St. Martin's Press, 1994).

[9] Glenmullen (2000).

[10] Robert H. Frank, *Choosing the Right Pond: Human Behavior and the Quest for Status* (Oxford: Oxford University Press, 1985).

[11] □□□□□□□□□□□□□□□□□□□□□□Francis Fukuyama, *The End of History and the Last Man* (New York: Free Press, 1992), pp. 143-244.

[12] Frans de Waal, *Chimpanzee Politics: Power and Sex among Apes* (Baltimore: Johns Hopkins University Press, 1989).

[13] Frank (1985), pp. 21-25.

[14] □□□□□□dextroamphetamine (Dexedrine), Adderall, Dextrostat, and pemoline (Cylert).

[15] Dorothy Bonn, "Debate on ADHD Prevalence and Treatment Continues," *The Lancet* 354, issue 9196 (1999): 2139.

[16] Edward M. Hallowell and John J. Ratey, *Driven to Distraction: Recognizing and Coping with Attention Deficit Disorder from Childhood Through Adulthood* (New York: Simon and Schuster, 1994).

[17] Lawrence H. Diller, "The Run on Ritalin: Attention Deficit Disorder and Stimu-lant Treatment in the 1990s," *Hasting Center Report* 26 (1996): 12-18.

[18] Lawrence H. Diller, *Running on Ritalin* (New York: Bantam Books, 1998), p. 63.

[19] □□□□□□□□□□□□□□□□□□□□□□□□Mary Eberstadt, "Why Ritalin Rules," *Policy Review,* April-May 1999, 24-44.

[20] Diller (1998), p. 63.

[21] Doug Hanchett, "Ritalin Speeds Way to Campuses—College Kids Using Drug to Study, Party," *Boston Herald,* May 21, 2000, p. 8.

[22] Elizabeth Wurtzel, "Adventures in Ritalin," *The New York Times,* April 1, 2000, p. A15.

[23] Harold S. Koplewicz, *It's Nobody's Fault: New Hope and Help for Difficult Chil-dren and Their Parents* (New York: Times Books, 1997).

[24] □□□□□□□□□□□□□Neil Munro, "Brain Politics," *National Journal* 33(2001): 335-339.

[25] □□□□□□□□□CHADD□□□https://chadd.safeserver.com/about_chadd02.htm.

[26] Eberstadt (1999).

[27] Diller (1998), pp. 148-150.

[28] Dyan Machan and Luisa Kroll, "An Agreeable Affliction," *Forbes,* August 12, 1996, 148.

[29] Marsha Rappley, Patricia B. Mullan, et al., "Diagnosis of Attention- Deficit/Hyperactivity Disorder and Use of Psychotropic Medication in Very Young Children," *Archives of Pediatrics and Adolescent Medicine* 153 (1999): 1039-1045.

[30] Julie Magno Zito, Daniel J. Safer, et al., "Trends in the Prescribing of Psy-chotropic Medications to Preschoolers,"*Journal of the American Medical Associa-tion* 283 (2000): 1025-1060.

[31] □□□□□·□□□□Michael McGuire□□□□□□□□□□□□□

[32] □□□□□□□□□□□□□□□□□□□□http://www. nida.nih.govlInfofax/ecstasyhtml.

[33] Matthew Klam, “Experiencing Ecstasy,” *New York Ti-mes Magazine*, January 21, 2001.

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[1] See http://www.demog.berkeley.edu/~andrew/i9i8/figure2.html for the 1900 fig-ures, and http://www.cia.gov/cia/publications/factbooklgeos/us.html for 2000.

[2] [illegible]Michael R. Rose, *Evolutionary Biology of Aging* (New York: Oxford University Press, 1991), p. 160 ff; Caleb E. Finch and Rudolph E. Tanzi, “Genetics of Aging,” *Science* 278 (1997): 407-411; S. Michal Jazwinski, “Longevity, Genes, and Aging,” *Science* 273 (1996): 54-59; and David M. A. Mann, “Molecular Biology’s Impact on Our Understanding of Aging,” *British Medical Journal* 315 (1997): 1078-1082.

[3] Michael R. Rose, “Finding the Fountain of Youth,” *Technology Review* 95, no. 7 (October 1992.): 64-69

[4] Nicholas Wade, “A Pill to Extend Life? Don’t Dismiss the Notion Too Quickly,” *The New York Times,* September 22, 2000, p. A20.

[5] Tom Kirkwood, *Time of Our Lives: Why Ageing Is Neither Inevitable nor Necessary* (London: Phoenix, 1999), pp. 100-117.

[6] Dwayne A. Banks and Michael Fossel, “Telomeres, Cancer, and Aging: Altering the Human Life Span,” *Journal of the Medical Association* 278 (1997): 1345-1348.

[7] Nicholas Wade, “Searching for Genes to Slow the Hands of Biological Time,” *The New York Times,* September 26, 2000, p. Di; Cheol-Koo Lee and Roger G. Klopp et al., “Gene Expression Profile of Aging and Its Retardation by Caloric Restriction,” *Science* 285 (1999): 1390-1393.

[8] Kirkwood (1999), p. 166.

[9] □□□□□□□□□□□□□□□□□□□Eric Juengst and Michael Fos-sel, “The Ethics of Embryonic Stem Cells —Now and Forever, Cells without End,” *Journal of the American Medical Association* 2.84 (2.000): 3180-3184; Juan de Dios Vial Correa and S. E. Mons. Elio Sgreccia, *Declaration on the Production and the Scientific and Therapeutic Use of Human Embryonic Stem Cells* (Rome: Pontifical Academy for Life, 2000); and M. J. Friedrich, “Debating Pros and Cons of Stem Cell Research,” *Journal of the American Medical Association* 2.84, no. 6 (2.000): 681-684.

[10] Gabriel S. Gross, “Federally Funding Human Embryonic Stem Cell Research: An Administrative Analysis,” *Wisconsin Law Review* 2000 (2000): 855-884.

[11] □□□□□□□□□□□□□□□□□Michael R. Rose, “Aging as a Target for Genetic Engineering,” in Gregory Stock and John Campbell, eds., *Engineering the Hu-man Germline: An Exploration of the Science and Ethics of Al-tering the Genes We Pass to Our Children* (New York: Oxford University Press, 2000), pp. 53-56.

[12] Jean Fourastié, “De la vie traditionelle a la vie tertiaire,” *Population* 14 (1963): 417-432.

[13] Kirkwood (1999), p. 6.

[14] “Resident Population Characteristics—Percent Distribution and Median Age, 1850-1996, and Projections, 2000-2050,” www. doi.gov/nrl/statAbst/Aidemo.pdt.

[15] Nicholas Eberstadt, “World Population Implosion?,” *Public Interest,* no. 129 (Feb-ruary 1997): 3-22.

[16] □□□□□□□□□Francis Fukuyama, “Women and the Evolution of World Poli-tics,” *Foreign Affairs* 77 (1998): 24-40.

[17] Pamela J. Conover and Virginia Sapiro, “Gender, Feminist Consciousness, and War,” *American Journal of Political Science* 37 (1993): 1079-1099.

[18] Edward N. Luttwak, “Toward Post-Heroic Warfare,” *Foreign Affairs* 74 (1995): 109-122.

[19] □□□□□□□□□□□□Francis Fukuyama, *Great Disruption: Hu-man Nature and the Reconstitution of Social Order* (New York: Free Press, 1999), pp. 212-230.

[20] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□65□□□□□□□□□□□□□□□□□□□□

[21] □□□□□□□□·□□□·□□□□□□□Fred Charles Iklé, “The Deconstruction of Death,” *The National Interest,* no. 62 (Winter 2000/01): 87-96.

[22] □□□□□□□□□□□□Arthur M. Schlesinger, Jr.s, *Cy-cles of American History* (Boston: Houghton Mifflin, 1986); □□□□William Strauss and Neil Howe, *The Fourth Turning: An American Prophecy* (New York: Broadway Books, 1997).

[23] Kirkwood (1999), pp. 131-132.

[24] Michael Norman, “Living Too Long,” *The New York Times Magazine,* January 14, 1996, pp. 36-38.

[25] Kirkwood (1999), p. 238.

[26] □□□□□□□□□□□□□□□Donald Symons, *The Evolution of Hu-man Sexuality* (Oxford: Oxford University Press, 1979).

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[1] [illegible]Robert Cook-Degan, *The Gene Wars: Science, Politics, and the Human Genome* (New York: W. W. Norton, 1994); Kathryn Brown, “The Human Genome Business Today,” *Scientific Ameri-can* 283 (July 2000): 50-55; and Kevin Davies, *Cracking the Genome: Inside the Race to Unlock Human DNA* (New York: Free Press, 2001).

[2] [illegible]
http://www.ncbi.nlm.nih.gov/Genbank/GenbankOverview.html.

[3] Carol Ezzell, “Beyond the Human Genome,” *Scientific American* 283, no. 1 (July 2000): 64-69.

[4] Ken Howard, “The Bioinformatics Gold Rush,” *Scientific American* 283, no. 1 (July 2000): 58-63.

[5] Interview with Stuart A. Kauffman, “Forget In Vitro—Now It’s ‘In Silico,’” *Scien-tific American* 283, no. 1 (July 2000): 62-63.

[6] Gina Kolata, “Genetic Defects Detected in Embryos Just Days Old,” *The New York Tiimes,* September 24, 1992, p. A1.

[7] Lee M. Silver, *Remaking Eden: Cloning and Beyond in a Brave New World* (New York: Avon, 1998), pp. 233-247.

[8] Ezzell (2000).

[9] [illegible]Ian Wilmut, Keith Campbell, and Colin Tudge, *The Second Creation: Dolly and the Age of Biological Control* (New York: Farrar, Straus and Giroux, 2000).

[10] National Bioethics Advisory Commission, *Cloning Humain Beings* (Rockville, Md.: National Bioethics Advisory Commission, 1997).

[11] Margaret Talbot, “A Desire to Duplicate,” *New York Times Magazine,* Febru-ary 4, 2001, pp. 40-68; Brian Alexander, “(You)2,” *Wired,* February 2001, 122-135.

[12] Glenn McGee, *The Perfect Baby: A Pragmatic Approach to Genetics* (Lanham, Md.: Rowman and Littlefield, 1997).

[13] [illegible]*Engineering the Hunan Germline: An Explo-ration of the Science and Ethics of Altering the Genes We Pass to Our Children* (New York: Oxford University Press, 2000); Marc Lappé, “Ethical Issues in Ma-nipulating the Human Germ Line,” in Peter Singer and Helga Kuhse, eds., *Bioethics: An Anthology* (Oxford: Blackwell, 1999), p. 156; and Mark S. Frankel and Audrey R. Chapman, *Huiman Inheritable Genetic Modifications: Assessing Sci-entific, Ethical, Religious, and Policy Issues* (Washington, D.C.: American Associ-ation for the Advancement of Science, 2000).

[14] [illegible]John Campbell and Gregory Stock, “A Vision for Practical Human Germline Engineering,” in Stock and Campbell, eds. (2000), pp. 9-16.

[15] Edward O. Wilson, “Reply to Fukuyama,” *National Interest,* no. 56 (Spring1999): 35-37.

[16] Gina Kolata, *Clone: The Road to Dolly and the Path Ahead* (New York: William Morrow, 1998), p. 27.

[17] W. French Anderson, “A New Front in the Battle against Disease,” in Stock and Campbell, eds. (2000), p. 43.

[18] Fred Charles Iklé, “The Deconstruction of Death,” *The National Interest,* no. 62 (Winter 2000/01): 91-92.

[19] Kolata (1998), pp. 120-156.

[20] Nicholas Eberstadt, “Asia Tomorrow, Gray and Male,” *The National Interest* 53 (1998): 56-65, Terence H. Hull, “Recent Trends in Sex Ratios at Birth in China,” *Population and Development Review* 16 (1990): 63-83; Chai Bin Park, “Preference for Sons, Family Size, and Sex Ratio: An Empirical Study in Korea,” *Demography* 20 (1983): 333-352; and Barbara D. Miller, *The Endangered Sex: Neglect of Female Children in Rural Northern India* (Ithaca, N.Y., and London: Cornell University Press, 1981).

[21] Elisabeth Croll, *Endangered Daughters: Discrimination and Development in Asia* (London: Routledge, 2001); and Ansley J. Coale and Judith Banister, “Five Decades of Missing Females in China,” *Demography* 31 (1994): 459-479.

[22] Gregory S. Kavka, “Upside Risks,” in Carl F. Cranor, ed., *Are Genes Us?: Social Consequences of the New Genetics* (New Brunswick, N.J.: Rutgers University Press, 1994), p. 160.

[23] [illegible]·[illegible]·[illegible]Maria Guttentag and Paul F. Secord, *Too Many Women? The Sex Ratio Question*, Newbury Park, Calif.: Sage Publications,1983.

[24] [illegible]·[illegible]“Deeper into the Brain,” *National Review* 52 (2000): 46-49.

[25] [illegible]

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[1] [illegible]*Algeny: A New Word, a New World* (New York: Viking, 1983); and, with Ted Howard, *Who Should Play God?* (New York: Dell, 1977).

[2] [illegible]·[illegible]Michael Lind[illegible]Haldane[illegible] Bernal,[illegible]Shaw[illegible]

[3] [illegible]Diane B. Paul, *Controlling Human Heredity: 1865 to the Present* (At-lantic Highlands, N.J.: Humanities Press, 1995), p. 2. [illegible] “Eu-genic Anxieties, Social Realities, and Political Choices,” *Social Research* 59 (1992): 663-683. [illegible]Mark H. Haller, *Eugenics: Hereditarian Attitudes in American Thought* (New Brunswick, N.J.: Rutgers University Press, 1963).

[4] See Henry P. David and Jochen Fleischhacker, “Abortion and Eugenics in Nazi Germany,” *Population and Development Review* 14 (1988): 81-112.

[5] [illegible]Robert Jay Lifton, *Nazi Doctors: Medical Killing and the Psychology of Genocide* (New York: Basic Books, 1986).

[6] Gunnar Broberg and Nils Roll-Hansen, *Eugenics and the Welfare State: Steriliza-tion Policy in Denmark, Sweden, Norway, and Finland* (East Lansing, Mich.: Michigan State University Press, 1996). See also Mark B. Adams, *The Wellborn Science: Eugenics in Germany, France, Brazil, and Russia* (New York and Oxford: Oxford University Press, 1990).

[7] □□□□□□□□□□□□□□□Frank Dikotter, *Imperfect Conceptions: Medical Knowledge, Birth Defects and Eugenics in China* (New York: Columbia University Press, 1998). See also his article “Throw-Away Babies: The Growth of Eugenics Policies and Practices in China,” *The Times Literary Supplement,* Janu-ary 12, 1996, pp. 4-5; and Veronica Pearson, “Population Policy and Eugenics in China,” *British Jourrnal of Psychiatry* 167 (1995): 1-4.

[8] Diane B. Paul, “Is Human Genetics Disguised Eugenics? ” in David L. Hull and Michael Ruse, eds., *The Philosophy of Biology* (New York: Oxford University Press, 1998), pp. 536ff.

[9] Pearson (1995), p. 2.

[10] Matt Ridley, *Genome: The Autobiography of a Species* in 23 Chapters (New York: HarperCollins, 2000), pp. 297-299.

[11] Robert L. Sinsheimer, “The Prospect of Designed Genetic Change,” in Ruth F. Chadwick, ed., *Ethics, Reproduction, and Genetic Control,* rev. ed. (London and New York: Routledge, 1992), p. 145.

[12] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Steven Mosher, *A Mother’s Ordeal: Woman’s Fight against China’s One-Child Policy* (New York: Harcourt Brace Jovanovich, 1993).

[13] Kate Devine, “NIH Lifts Stem Cell Funding Ban, Issues Guidelines,” *Scien-tist* 14, no. 18 (2000): 8.

[14] Charles Krauthammer, “Why Pro-Lifers Are Missing the Point: The Debate over Fetal-Tissue Research Overlooks the Big Issue,” *Time,* February 12, 2001, 60.

[15] Virginia 1. Postrel, *The Future and Its Enemies: The Growing Conflict aver Cre-ativity, Enterprise, and Progress* (New York: Touchstone Books, 1999), p. 168.

[16] Mark K. Sears et al., “Impact of Bt Com Pollen on Monarch Buterflies: A Risk Assessment,” *Proceedings of the National Academy of Sciences* 98 (October 9, 2000) : 11937-11942.

[17] □□□□□□□□□□□□□□□□□□□Gregory S. Kavka, “Upside Risks,” in Carl F. Cranor, ed., *Are Genes Us?: Social Consequences of the New Genetics* (New Brunswick, N.J.: Rutgers University Press, 1994).

[18] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□ Gregory Stock and John Campbell, eds., *Engineering the Human Germline* (New York: Oxford University Press, 2000), p. 11.

[19] John Colapinto, *As Nature Mtade Him: The Boy Who Was Raised As a Girl* (New York: HarperCollins, 2000), p. 58.

[20] Colapinto (2000), pp. 69-70

[21] Kavka, in Cranor, ed. (1994), pp. 164-165.

[22] Richard D. Alexander, *Haw Did Humams Evolve? Reflections on the Uniquely Unique Species* (Ann Arbor, Mich.: Museum of Zoology, University of Michigan, 1990), p. 6.

[23] Plato, *The Republic,* Book V, 457c-e.

[24] Gary S. Becker, “Crime and Punishment: An Economic Approach,” *Journal of Po-litical Economy* 76 (1968): 169-217.

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[1] [illegible]John Stock and Gregory Campbell, eds., *Engineering the Hu-man Germline: An Exploration of the Science and Ethics of Altering the Genes We Pass to Our Chil-dren* (New York: Oxford University Press, 2000), p. 85.

[2] [illegible]Ronald M. Dworkin, *Life’s Dominion: An Argument about Abortion, Euthanasia, and Individual Freedom* (New York: Vintage Books, 1994).

[3] John A. Robertson, *Children of Choice: Freedom and the New Reproductive Tech-nologies* (Princeton, N.J.: Princeton University Press, 1994), pp. 33-34.

[4] Ronald M. Dworkin, *Sovereign Virtue: The Theory and Practice of Equality* (Cam-bridge, Mass.: Harvard University Press, 2000), p. 452. [illegible]Adam Wolfson, “Politics in a Brave New World,” *Public Interest* no. 142 (Win-ter 2001): 31-43.

[5] [illegible]

[6] G. E. Moore[illegible]“[illegible]”[illegible]*.* [illegible] *Principia Ethica* (Cambridge: Cambridge University Press, 1903), p. 10.

[7] [illegible]Alexander Rosenberg, *Darwin-ism in Philosophy, Social Science, and Policy* (Cambridge: Cambridge University Press, 2000), p. 120.

[8] Paul Ehrlich, *Human Natures: Genes, Cultures, and the Human Prospect* (Wash-ington, D.C./Covelo, Calif.: Island Press/Shearwater Books, 2000), p. 309.

[9] William F. Schultz, letter to the editor, *The National Interest,* no. 63 (Spring 2001)[illegible]124-125.

[10] David Hume, A *Treatise of Human Nature,* Book III, part I, section I (London: Penguin Books, 1985), p. 521.

[11] Robin Fox, “Human Nature and Human Rights,” *National Interest,* no. 62 (Winter 2000/01): 77-86.

[12] Ibid., p. 78.

[13] Alasdair MacIntyre, “Hume on ‘Is’ and ‘Ought,’” *Philosophical Review* 68 (1959): 451-468.

[14] □□□□□□Robert J. McShea, “Human Nature Theory and Political Philosophy,” *American Journal of Political Science* 22 (1978): 656-679. □□□□□□□□□□□□□□□□□□□□□□□Allen Buchanan and Norman Daniels et al., *From Chance to Choice: Genetics and Justice* (New York and Cambridge: Cambridge University Press, 2000), p. 89.

[15] Robert J. McShea, *Morality and Human Nature: A New Route to Ethical Theory* (Philadelphia: Temple University Press, 1990), pp. 68-69.

[16] □□□□□□□□□□Charles Taylor, *Sources of the Self: The Making of the Modern Identity* (Cambridge, Mass.: Harvard University Press, 1989), p. 332.

[17] □□□□□□□□□□□□□□□□□□□□□□□□□□□□

[18] □□

[19] Immanuel Kant, *Foundations of the Metaphysics of Morals,* trans. Lewis White Beck (Indianapolis: Bobbs-Merrill, 1959), p. 9.

[20] □□□MacIntyre (1959), pp. 467-468.

[21] John Rawls, *A Theory of Justice,* rev. ed. (Cambridge, Mass.: Harvard/Belknap, 1999), p. 17.

[22] Ibid., pp. 347-365.

[23] William A. Galston, “Liberal Virtues,” *American Political Science Review* 82, no. 4 (December 1988): 1277-1290.

[24] Ackerman quoted in William A. Galston, “Defending Liberalism,” *American Po-litical Science Review* 76 (1982): 621-629.

[25] □□□□□Allan Bloom, *Giants and Dwarfs: Essays 1960-1990* (New York: Simon and Schuster, 1990).

[26] Rawls (1999), p. 433.

[27] Dworkin (2000), p. 448.

[28] Robertson (1994), p. 24.

[29] *Casey v. Planned Parenthood* quoted in Hadley Arkes, “Liberalism and the Law,” in Hilton Kramer and Roger Kimball, eds., *The Betrayal of Liberalism: Haw the Disci-ples of Freedom and Equality Helped Foster the Illiberal Politics of Coercion and Con-trol* (Chicago: Ivan R. Dee, 1999), pp. 95-96. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□”□□□□□“□□□□□□□□□□□□□□□”□□□□□□□□□□□□□ Michael J. Sandel, *Democracy’s Discontent: American in Search of a Public Philosophy* (Cambridge, Mass.: Harvard University Press, 1996), pp. 55-90.

[30] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Allan Bloom, *Closing of the American Mind* (New York: Simon and Schuster, 1987).

[31] □□□□□□□□□□□□□□□□□□□□□

[32] Frans de Waal, *Chimpanzee Politics: Power and Sex among Apes* (Baltimore: Johns Hopkins University Press, 1989).

[33] Francis Fukuyama, *The Great Disruption: Human Nature and the Reconstitution of Social Order* (New York: Free Press, 1999), pp. 174-175.

[34] “□□□□□□”□□

[35] Francis Fukuyama, “Women and the Evolution of World Politics,” *Foreign Affairs* 77 (1998): 24-40.

[36] Robert Wright, *Nonzero: The Logic of Human Destiny* (New York: Pantheon, 2000).

[37] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□·□□□□David Sloan Wilson□□David Sloan Wilson and Elliott Sober, *Unto Others: The Evolution and Psychology of Unselfish Behavior* (Cambridge, Mass: Harvard University Press, 1998).

[38] □□□□□□□□Francis Fukuyama, “The Old Age of Mankind,” in *The End of History and the Last Man* (New York: Free Press, 1992).

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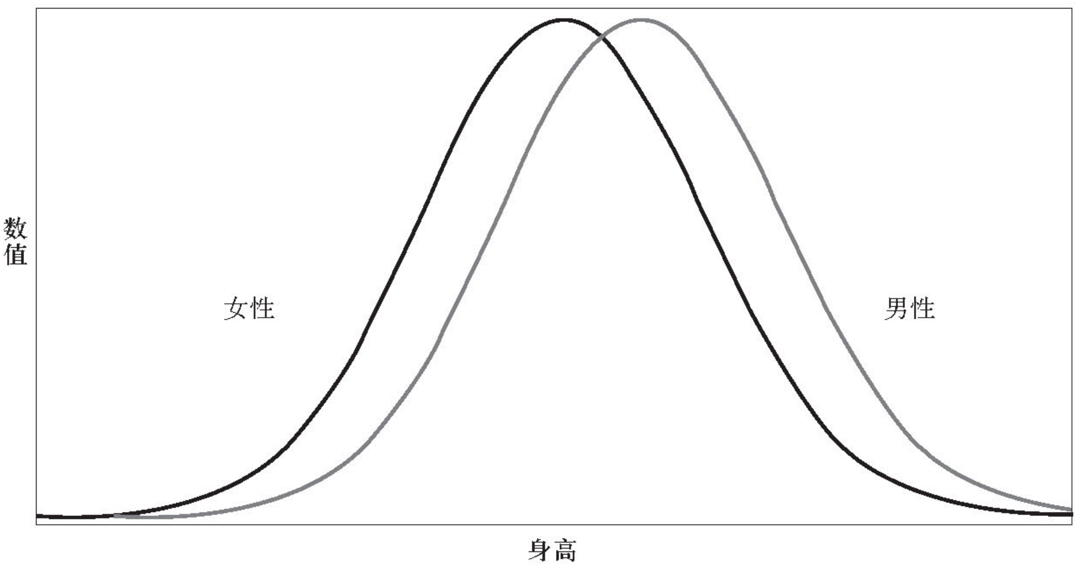

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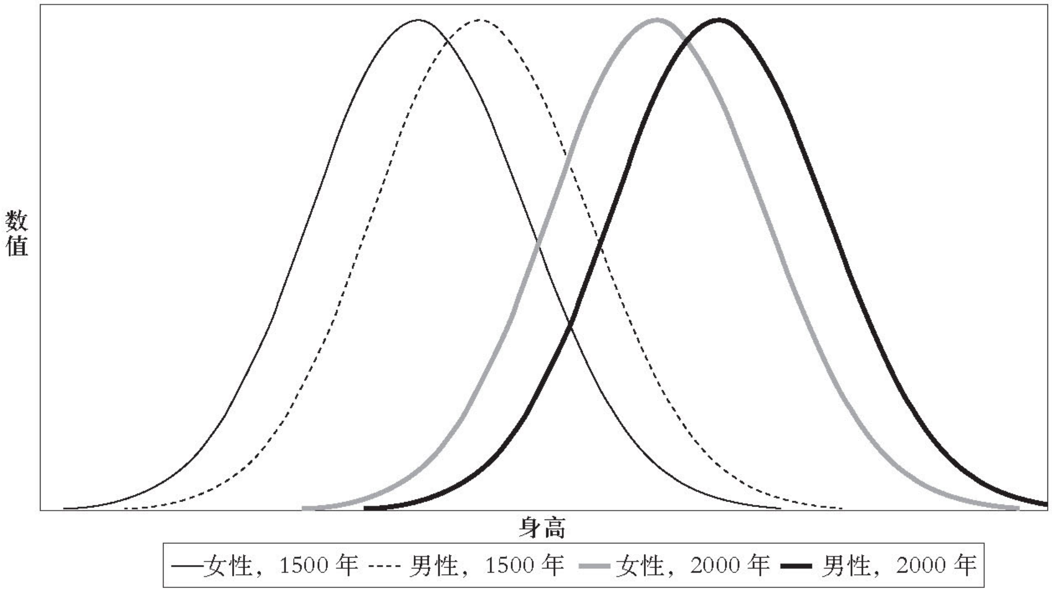

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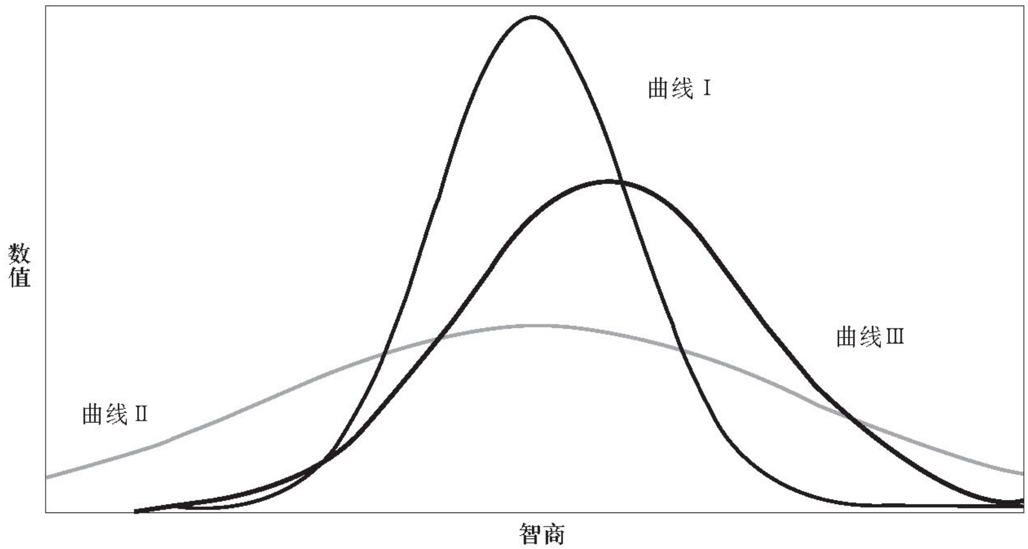

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[1] Paul Ehrlich, *Human Natures: Genes, Cultures, and the Human Prospect* (Wash-ington, D.C./Covelo, Calif.: Island Press/Shearwater Books, 2000), p. 330. See Francis Fukuyama, review of Ehrlich in *Commentary,* February 2001.

[2] [illegible]

[3] David L. Hull, “On Human Nature,” in David L. Hull and Michael Ruse, eds., *The Philosophy of Biology* (New York: Oxford University Press, 1998), p. 387.

[4] [illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Alexander Rosenberg, *Darwinism in Philosophy, Social Science, and Policy* (Cambridge: Cambridge University Press, 2000), p. 121. See also David L. Hull, “Species, Races, and Genders: Differences Are Not Deviations,” in Robert F. Weir and Su-san C. Lawrence, eds., *Genes, Humans, and Self-Knowledge* (Iowa City: Univer-sity of Iowa Press, 1994), p. 207.

[5] Michael Ruse, “Biological Species: Natural Kinds, Individuals, or What?,” *British Journal for the Philosophy of Science* 38 (1987): 225-242.

[6] [illegible]Richard C. Lewontin, Steven Rose, et al., *Not in Our Genes: Biol-ogy, Ideology, and Human Nature* (New York: Pantheon Books, 1984); Lewontin, *Doctrine of DNA: Biology as Ideology*

(New York: HarperPerennial, 1992); and Lewontin, *Inside and Outside: Gene, Environment, and Organism* (Worcester, Mass.: Clark University Press, 1994).

[7] Lewontin (1994), p. 25.

[8] Lewontin, Rose, et al. (1984), pp. 69 ff.

[9] □□□“□□□□□”□□□

[10] See also Leon Eisenberg, “The Human Nature of Human Nature,” *Science* 176 (1972): 123-128.

[11] Ehrlich (2000), p. 273.

[12] Aristotle, *Nicomachean Ethics* II.1, 1103a24-26.

[13] Ibid., V.7, 1134b29-32.

[14] See Aristotle, *Politics* I.2, 1253a29-32.

[15] Roger D. Masters, “Evolutionary Biology and Political Theory,” *American Political Science Review* 84 (1990): 195-210; *Beyond Relativism: Science and Humam Values* (Hanover, N.H.: University Press of New England, 1993); and, with Margaret Gruter, *The Sense of Justice: Biological Foundations of Law* (Newbury Park, Calif.: Sage Publications, 1992).

[16] Michael Ruse and Edward O. Wilson, “Moral Philosophy as Applied Science: A Darwinian Approach to the Foundations of Ethics,” *Philosophy* 61 (1986): 173-192.

[17] Larry Arnhart, *Darwinian Natural Right: Biological Ethics of Human Nature* (Albany, N.Y.: State University of New York Press, 1998).

[18] □Arnhart□□□□□□□□□□□□Richard F. Hassing, “Dar-winian Natural Right?,” *Interpretation* 27 (2000): 129-160; and Larry Arnhart, “Defending Darwinian Natural Right,” *Interpretation* 27 (2000): 263-277.

[19] Arnhart (1998), pp. 3i-36.

[20] Donald Brown, *Human Universals* (Philadelphia: Temple University Press, 1991),p.77-.

[21] □□□□□□Steven Pinker and Paul Bloom, “Natural Language and Natural Selection,” *Behavioral and Brain Sciences* 13 (1990): 707-784; and Pinker, *The Language Instinct* (New York: HarperCollins, 1994).

[22] □□□□□Frans de Waal, *Chimpanzee Politics: Power and Sex among Apes* (Baltimore: Johns Hopkins University Press, 1989) pp. 57-60.

[23] □□□□□□□□□□□□□·□·□□□□Benjamin Lee Whorf□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Brown (1991), pp. 10-11.

[24] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□□□□□□”□□□

[25] John Locke, *An Essay Concerning Human Understanding,* Book I, chapter 3, sec-tion 7 (Amherst, NY.: Prometheus Books, 1995), p. 30.

[26] Ibid., Book I, chapter 3, section 9, pp. 30-31.

[27] Robert Trivers, “The Evolution of Reciprocal Altruism,” *Quarterly Review of Biol-ogy* 46 (1971): 35-56; see also Trivers, *Social Evolution* (Menlo Park, Calif.: Ben-jamin/Cummings, 1985).

[28] Sarah B. Hrdy and Glenn Hausfater, *Infanticide: Comparative and Evolutionary Perspectives* (New York: Aldine Publishing, 1984); R. Muthulakshmi, *Female In-fanticide: Its Causes and Solutions* (New Delhi: Discovery Publishing House, 1997); Lalita Panigrahi, *British Social Policy and Female*

Infanticide in India (New Delhi: Munshiram Manoharlal, 1972); and Maria W. Piers, *Infanticide* (New York: W. W. Norton, 1978).

[29] [illegible]Arnhart (1998), pp. 119-120.

[30] [illegible]17[illegible]18[illegible]

[31] Peter Singer and Susan Reich, *Animal Liberation* (New York: New York Review Books, 1990), p. 6; and Peter Singer and Paola Cavalieri, *Great Ape Project: Equality Beyond Humanity* (New York: St. Martin’s Press, 1995).

[32] [illegible]·[illegible]Singer and Reich (1990), pp. 7-8.

[33] See John Tyler Bonner, *The Evolution of Culture in Animals* (Princeton, N.J.: Princeton University Press, 1980).

[34] Frans de Waal, *The Ape and the Sushi Master* (New York: Basic Books, 2001), pp. 194-202.

[35] Ibid., pp. 64-65-.

[36] [illegible]·[illegible]Singer and Reich[illegible]1990[illegible] “[illegible]……”[illegible] “[illegible]——[illegible]——[illegible]”[illegible]

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[1] Clive Staples Lewis, *The Abolition of Man* (New York: Touchstone, 1944), p. 85.

[2] Counsel of Europe, Draft Additional Protocol to the Convention on Human Rights and Biomedicine, On the Prohibiting of Cloning Human Beings, Doc. 7884, July 16, 1997.

[3] [illegible]Francis Fukuyama, *The End of History and the Last Man* (New York: Free Press, 1992).

[4] [illegible]Francis Fukuyama, “The March of Equality,” *Journal of Democracy* 11 (2000): 11-17.

[5] John Paul II, “Message to the Pontifical Academy of Sciences,” October 22, 1996.

[6] Daniel C. Dennett, *Danvin’s Dangerous Idea: Evolution and the Meanings of Life* (New York: Simon and Schuster, 1995), pp. 35-39; see also Ernst Mayr, *One Long Argument: Charles Danvin and the Genesis of Modern Evolutionary Thought* (Cambridge, Mass.: Harvard University Press, 1991), pp. 40-42.

[7] Michael Ruse and David L. Hull, *The Philosophy of Biology* (New York: Oxford University Press, 1998), p. 385.

[8] Lee M. Silver, *Recking Eden: Cloning and Beyond in a Brave New World* (New York: Avon, 1998), pp. 256-257.

[9] Ruse and Hull (1998), p. 385.

[10] Silver (1998), p. 277.

[11] Friedrich Nietzsche, *Thus Spoke Zarathustra,* First part, section 5, from *The Portable Nietzsche,* ed. Walter Kaufmann (New York: Viking, 1968), p. 130.

[12] Charles Taylor, *Sources of the Self: The Making of the Modern Identity* (Cam-bridge, Mass.: Harvard University Press, 1989), pp. 6-7.

[13] [illegible]Francis Fukuyama, *The Great Disrup-tion: Human Nature and the Reconstitution of Social Order,* part II (New York: Free Press, 1999).

[14] Aristotle, *Politics* I.2.13, 1254b, 16-24.

[15] Ibid., I.2.18, 1255a, 22-38.

[16] Ibid., I.2.19, 1255b, 3-5.

[17] [illegible]Dan W. Brock, “The Human Genome Project and Human Identity,” in *Genes, Humans, and Self-Knowledge,* eds. Robert F. Weir and Susan C. Lawrence et al. (Iowa City: University of Iowa Press, 1994), pp. 18-23.

[18] [illegible]·[illegible]“Deeper into the Brain,” *National Review* 52 (2000): 46-49.

[19] Peter Sioterdijk, “Regeln fur den Menschenpark: Ein Antwortschreiben zum Brief uber den Humanismus,” *Die Zeit,* no. 38, September 16, 1999.

[20] Jurgen Habermas, “Nicht die Natur verbietet das Klonen. Wir müssen selbst entscheiden. Eine Replik auf Dieter E. Zimmer,” *Die Zeit,* no. 9, February 19, 1998.

[21] [illegible]Allen Buchanan and Norman Daniels et al., *From Chance to Choice: Genetics and Justice* (New York and Cambridge: Cam-bridge University Press, 2000), pp. 17-20. [illegible]Robert H. Blank and Masako N. Darrough, *Biological Differences and Social Equality: Implications for Social Policy* (Westport, Conn.: Greenwood Press, 1983).

[22] Ronald M. Dworkin, *Sovereign Virtue: The Theory and Practice of Equality* (Cam-bridge, Mass.: Harvard University Press, 2000), p. 452.

[23] Laurence H. Tribe, “Second Thoughts on Cloning,” *The New York Times,* De-cember 5, 1997, p. A31.

[24] John Paul II (1996).

[25] [illegible]“[illegible]”[illegible]Ernan McMullin, “Biology and the Theology of the Human,” in Phillip R. Sloan, ed., *Controlling Our Desires: His-torical, Philosophical, Ethical, and Theological Perspectives on the Humam Genome project* (Notre Dame, Ind.: University of Notre Dame Press, 2000), p. 367.

[26] [illegible]Steven Pinker, *How the Mind Works* (New York: W. W. Norton, 1997), pp. 528-538.

[27] [illegible]

[28] [illegible]Arthur Peacocke, “Relating Genetics to Theology on the Map of Scientific Knowledge,” in Sloan (2000), pp. 346-350.

[29] [illegible]“[illegible]——[illegible]——[illegible]……[illegible]”[illegible]*Final Causality in Nature and Human Affairs,* ed. Richard F. Hassing (Washington, D.C.: Catholic University Press, 1997), p. 224.

[30] Hassing, ed. (1997), pp. 224-226.

[31] Peacocke, in Sloan, ed. (2000), p. 350.

[32] McMullin, in Sloan, ed. (2000), p. 374.

[33] [illegible]Roger D. Masters, “The Biological Nature of the State,” *World Politics* 35 (1983): 161-193.

[34] Andrew Goldberg and Christophe Boesch, “The Cultures of Chimpanzees,” Sci-entific *American* 284 (2001): 60-67.

[35] Larry Arnhart, *Darwinian Natural Right: The Biological Ethics of Humam Nature* (Albany, N.Y.: State University of New York Press, 1998), pp. 61-62.

[36] [illegible]Robert Wright, *Nonzero: Logic of Human Destiny* (New York: Pantheon Books, 2000), pp. 31-38.

[37] [illegible]

[38] Stephen Jay Gould and R. C. Lewontin, “The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptionist Programme,” *Proceedings of the Royal Society of London* 205 (1979): 81-88.

[39] John R. Searle, *The Mystery of Consciousness* (New York: New York Review Books, 1997.

[40] Daniel C. Dennett, *Consciousness Explained* (Boston: Little, Brown, 1991), p. 210.

[41] John R. Searle, *The Rediscovery of the Mind* (Cambridge, Mass.: MIT Press, 1992) p. 3-.

[42] [illegible]“[illegible]”[illegible]1997[illegible]11[illegible]

[43] Hans P. Moravec, *Robot: Mere Machine to Transcendent Mind* (New York: Oxford University Press, 1999).

[44] Ray Kurzweil, *The Age of Spiritual Machines: When Computers Exceed Human Intelligence* (London: Penguin Books, 2000).

[45] [illegible]Colin McGinn, “Hello HAL,” *The New York Times Book Review,* January 3, 1999-.

[46] [illegible]Wright (2000), pp. 306-308.

[47] Ibid., pp. 321-322.

[48] Robert J. McShea, *Morality and Human Nature: A New Route to Ethical Theory* (Philadelphia: Temple University Press, 1990), p. 77.

[49] [illegible]·[illegible]“[illegible]——[illegible]‘[illegible]’[illegible]”[illegible]

[50] Jared Diamond, *The Third Chimpanzee* (New York: HarperColiins, 1992), p. 23.

[51] [illegible]——[illegible]——[illegible]47[illegible]·[illegible]——[illegible]——[illegible]Anto-nio R. Damasio, *Descartes Error: Emotion, Reason, and the Human Brain* (New York: Putnam, 1994).

[52] [illegible]

[53] “[illegible]”[illegible]sympathy[illegible]“[illegible]”[illegible]compassion[illegible]

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[illegible]1965[illegible]1995[illegible][9][illegible][10]

[illegible]

---

[1] [illegible]James M. Buchanan and Gordon Tullock, *The Calculus of Consent: Logical Foundations of Constitutional Democracy* (Ann Arbor, Mich.: University of Michigan Press, 1962); and Jack High and Clayton A. Coppin, *Politics of Purity: Haroey Washington Wiley and the Origins of Federal Food Policy* (Ann Arbor, Mich.: University of Michigan Press, 1999).

[2] [illegible]Gregory Stock and John Campbell, eds., *Engineering the Humam Germline: An Exploration of the Science and Ethics ofAltering the Genes We Pass to Our Children* (New York: Oxford University Press, 2000), p. 78.

[3] [illegible]Gary S. Becker, "The Family and the State," *Journal of Law and Eco-nomics* 31 (1988): 1-18. Becker[illegible]

[4] [illegible]Francis Fukuyama, Caro-line Wagner, et al., *Information and Biological Revolutions: Global Governatnce Challenges—A Summary of a Study Group* (Santa Monica, Calif.: Rand MR-1139- DARPA, 1999).

[5] [illegible]P. M. S. Blackett, *Fear, War, and the Bomb* (New York: McGraw- Hill, 1948).

[6] Etel Solingen, “The Political Economy of Nuclear Restraint,” *International Secu-rity* 19 (1994): 126-169.

[7] [illegible]

[8] Frans de Waal, *Ape and the Sushi Master* (New York: Basic Books, 2001), p. 116.

[9] [illegible]

[10] Bryan L. Walser, “Shared Technical Decisionmaking and the Disaggregation of Sovereignty,” *Tulane Law Review* 72 (1998): 1597-1697.

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[1] Kurt Eichenwald, “Redesigning Nature: Hard Lessons Learned; Biotechnology Food: From the Lab to a Debacle,” *The New York Times,* January 25, 2001, p. A1.

[2] Donald L. Uchtmann and Gerald C. Nelson, “US Regulatory Oversight of Agri-cultural and Food-Related Biotechnology,” *American Behavioral Scientist* 44 (2000): 350-377.

[3] Uchtmann and Nelson (2000), and Sarah E. Taylor, “FDA Approval Process En-sures Biotech Safety,” *Journal of the American Dietetic Association* 100, no. 10 (2000): 3.

[4] [illegible]HenryI. Miller, “A Need to Reinvent Biotechnology Regulation at the EPA,” *Science* 266 (1994): 1815-1819.

[5] Alan McHughen, *Pandora’s Picnic Basket: Potential and Hazards of Geneti-cally Modified Foods* (Oxford: Oxford University Press, 2000), pp. 149-152.

[6] Lee Ann Patterson, “Biotechnology Policy: Regulating Risks and Risking Regula-tion,” in Helen Wallace and William Wallace, eds., *Policy-Making in the Euro-pean Union* (Oxford and New York: Oxford University Press, 2000), pp. 321-323.

[7] [illegible]1997[illegible]Ruth MacKenzie and Silvia Francescon, “The Regulation of Genetically Modified Foods in the European Union: An Overview,” *N.Y.U. Environmental Journail* 8 (2000): 530-554.

[8] Margaret R. Grossman and A. Bryan, “Regulation of Genetically Modified Organ-isms in the European Union,” *American Behavioral Scientist* 44 (2000): 378-434; and Marsha Echols, “Food Safety Regulation in the EU and the US: Different Cultures, Different Laws,” *Columbia Journal of European* 23 (1998): 525-543.

[9] 1990[illegible]1992[illegible]MacKenzie and Francescon (2000). [illegible] Jonathan H. Adler, “More Sorry Than Safe: Assess-ing the Precautionary Principle and the Proposed International Biosafety Proto-col,” *Texaas Internaitional Journal* 35, no. 2 (2000): 173-206.

[10] Patterson, in Wallace and Wallace (2000), pp. 324-328.

[11] World Trade Organization, *Trading into the Future,* 2d ed., rev. (Lausanne: World Trade Organization, 1999), p. 19.

[12] Lewis Rosman, “Public Participation in International Pesticide Regulation: When the Codex Commission Decides,” *Virginia Environmental Journal* 12 (1993): 329.

[13] Aarti Gupta, “Governing Trade in Genetically Modified Organisms: The Carta-gena Protocol on Biosafety,” *Environment* 42 (2000): 22-27.

[14] Kal Raustiala and David Victor, “Biodiversity since Rio: The Future of the Con-vention on Biological Diversity,” *Environment* 38 (1996): 16-30.

[15] Robert Paarlberg, “The Global Food Fight,” *Foreign Affairs* 79 (2000): 24-38; and Nuffield Council on Bioethics, *Genetically Modified Crops: Ethical and So-cial Issues* (London: Nuffield Council on Bioethics, 1999).

[16] Henry I. Miller and Gregory Conko, “The Science of Biotechnology Meets the Politics of Global Regulation,” *Issues in Science and Technology* 17 (2000): 47-54.

[17] Henry I. Miller, “A Rational Approach to Labeling Biotech-Derived Foods,” *Sci-ence* 284 (1999): 1471-1472; and Alexander G. Haslberger, “Monitoring and Label-ing for Genetically Modified Products,” *Science* 287 (2000): 431-432.

[18] Michelle D. Miller, “The Informed-Consent Policy of the International Con-ference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use: Knowledge Is the Best Medicine,” *Cornell International Law Journal* 30 (1997): 203-244.

[19] Paul M. McNeill, *Ethics and Politics of Humain Experimentation* (Cambridge: Cambridge University Press, 1993), pp. 54-55.

[20] Ibid., pp. 57, 61.

[21] Ibid., pp. 62-63.

[22] National Bioethics Advisory Commission, *Ethical and Policy Issues in Research In-volving Humain Participants, Final Recommendations* (Rockville, Md.: 2001). See http://bioethics.gov/press/finalrecomm5-18.html.

[23] Michele D. Miller (1997); McNeill (1993), pp. 42-43.

[24] □□□□□□□□□□□□□□Robert Jay Lifton, *Nazi Doctors: Med-ical Killing and the Psychology of Genocide* (New York: Basic Books, 1986).

[25] □□□□□□□□□□□□□□

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[10] Lee M. Silver, *Remaking Eden: Cloning and Beyond in a Brave New World* (New York: Avon, 1998), p. 268.

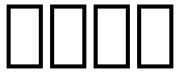
[11] Leon Kass, *Toward a More Natural Science: Biology and Huiman Affairs* (New York: Free Press, 1985), p. 173.

[12] □□□□□□□□□□□□□James Q. Wilson, *Bureaucracy: What Government Agencies Do and Why They Do It* (New York: Basic Books, 1989).

[13] Eugene Russo, “Reconsidering Asilomar,” *Scientist* 14 (April 3, 2000): 15-21; and Marcia Barinaga, “Asilomar Revisited: Lessons for Today?,” *Science* 287 (March 3, 2000): 1584-1585.

[14] Stuart Auchincloss, “Does Genetic Engineering Need Genetic Engineers?,” *Boston College Environmental Affairs Law Review* 20 (1993): 37-64.

[15] Kurt Eichenwald, “Redesigning Nature: Hard Lessons Learned; Biotechnology Food: From the Lab to a Debacle,” *The New York Times,* January 25, 2001, p. A1.



Ackerman, Bruce. *Social Justice in the Liberal State.* New Haven, Conn.: Yale University Press, 1980.

Adams, Mark B. *The Wellborn Science: Eugenics in Germany, France, Brazil, and Russia.* New York and Oxford: Oxford University Press, 1990.

Adler, Jonathan H. "More Sorry Than Safe: Assessing the Precautionary Principle and the Proposed International Biosafety Protocol." *Texas International Law Journal* 35, no. 2 (2000): 173–206.

Alexander, Brian. "(You)2." *Wired*, February 2001: 122–135.

Alexander, Richard D. *How Did Humans Evolve? Reflections on the Uniquely Unique Species.* Ann Arbor, Mich.: Museum of Zoology, University of Michigan, 1990.

Aristotle. *Nicomachean Ethics.*

———. *Politics.*

Arnhart, Larry. *Darwinian Natural Right: The Biological Ethics of Human Nature.* Albany, N.Y.: State University of New York Press, 1998.

———. "Defending Darwinian Natural Right." *Interpretation* 27 (2000): 263–277.
Auchincloss, Stuart. "Does Genetic Engineering Need Genetic Engineers?" *Boston College Environmental Affairs Law Review* 20 (1993): 37–64.
Bacon, Sir Francis. *The Great Instauration and the Novum Organum*. Kila, Mont.: Kessinger Publishing LLC, 1997.
Banks, Dwayne A., and Michael Fossel. "Telomeres, Cancer, and Aging: Altering the Human Life Span." *Journal of the American Medical Association* 278 (1997): 1345–1348.
Barinaga, Marcia. "Asilomar Revisited: Lessons for Today?" *Science* 287 (March 3, 2000): 1584–1585.
Becker, Gary S. "Crime and Punishment: An Economic Approach." *Journal of Political Economy* 76 (1968): 169–217.
Beutler, Larry E. "Prozac and Placebo: There's a Pony in There Somewhere." *Prevention and Treatment* 1 (1998).
Blackett, P.M.S. *Fear, War, and the Bomb*. New York: McGraw-Hill, 1948.
Blank, Robert H., and Masako N. Darrough. *Biological Differences and Social Equality: Implications for Social Policy*. Westport, Conn.: Greenwood Press, 1983.
Bloom, Allan. *The Closing of the American Mind*. New York: Simon and Schuster, 1990.
———. *Giants and Dwarfs: Essays 1960–1990*. New York: Simon and Schuster, 1987.
Bonn, Dorothy. "Debate on ADHD Prevalence and Treatment Continues." *The Lancet* 354, issue 9196 (1999): 2139.
Bonner, John Tyler. *The Evolution of Culture in Animals*. Princeton, N.J.: Princeton University Press, 1980.
Bouchard, Thomas J., Jr., David T. Kykken, et al. "Sources of Human Psychological Differences: The Minnesota Study of Twins Reared Apart." *Science* 226 (1990): 223–250.
Breggin, Peter R., and Ginger Ross Breggin. *Talking Back to Prozac: What Doctors Won't Tell You About Today's Most Controversial Drug*. New York: St. Martin's Press, 1994.
Brigham, Carl C. *A Study of American Intelligence*. Princeton, N.J.: Princeton University Press, 1923.
Broberg, Gunnar, and Nils Roll-Hansen. *Eugenics and the Welfare State: Sterilization Policy in Denmark, Sweden, Norway, and Finland*. East Lansing, Mich.: Michigan State University Press, 1996.
Brown, Donald. *Human Universals*. Philadelphia: Temple University Press, 1991.
Brown, Kathryn. "The Human Genome Business Today." *Scientific American* 283, no. 1 (July 2000): 50–55.
Brunner, H. G. "Abnormal Behavior Associated with a Point Mutation in the Structural Gene for Monoamine Oxidase A." *Science* 262 (1993): 578–580.
Buchanan, Allen, Norman Daniels, et al. *From Chance to Choice: Genetics and Justice*. New York and Cambridge: Cambridge University Press, 2000.
Buchanan, James M., and Gordon Tullock. *The Calculus of Consent: Logical Founda-*

tions of Constitutional Democracy. Ann Arbor, Mich.: University of Michigan Press, 1962.

Byne, William. "The Biological Evidence Challenged." *Scientific American* 270, no. 5 (1994): 50–55.

Cavalli-Sforza, Luigi Luca. *Genes, Peoples, and Languages.* New York: North Point Press, 2000.

Cavalli-Sforza, Luigi Luca, and Francesco Cavalli-Sforza. *The Great Human Diasporas: The History of Diversity and Evolution.* Reading, Mass.: Addison-Wesley, 1995.

Chadwick, Ruth F., ed. *Ethics, Reproduction, and Genetic Control.* Rev. ed. London and New York: Routledge, 1992.

Cloninger, C., and M. Bohman, et al. "Inheritance of Alcohol Abuse: Crossfostering Analysis of Alcoholic Men." *Archives of General Psychiatry* 38 (1981): 861–868.

Coale, Ansley J., and Judith Banister. "Five Decades of Missing Females in China." *Demography* 31 (1994): 459–479.

Colapinto, John. *As Nature Made Him: The Boy Who Was Raised As a Girl.* New York: HarperCollins, 2000.

Conover, Pamela J., and Virginia Sapiro. "Gender, Feminist Consciousness, and War." *American Journal of Political Science* 37 (1993): 1079–1099.

Cook-Degan, Robert. *The Gene Wars: Science, Politics, and the Human Genome.* New York: W. W. Norton, 1994.

Correa, Juan de Dios Vial, and S. E. Mons. Elio Sgreccia. *Declaration on the Production and the Scientific and Therapeutic Use of Human Embryonic Stem Cells.* Rome: Pontifical Academy for Life, 2000.

Council of Europe. *Medically Assisted Procreation and the Protection of the Human Embryo: Comparative Study of 39 States.* Strasbourg: Council of Europe, 1997.

———. "On the Prohibiting of Cloning Human Beings." Draft Additional Protocol to the Convention on Human Rights and Biomedicine, Doc. 7884 (July 16, 1997).

Cranor, Carl F., ed. *Are Genes Us?: Social Consequences of the New Genetics.* New Brunswick, N.J.: Rutgers University Press, 1994.

Croll, Elisabeth. *Endangered Daughters: Discrimination and Development in Asia.* London: Routledge, 2001.

Daly, Martin, and Margo Wilson. *Homicide.* New York: Aldine de Gruyter, 1988.

Damasio, Antonio R. *Descartes' Error: Emotion, Reason, and the Human Brain.* New York: Putnam, 1994.

David, Henry P., Jochen Fleischhacker, et al. "Abortion and Eugenics in Nazi Germany." *Population and Development Review* 14 (1988): 81–112.

Davies, Kevin. *Cracking the Genome: Inside the Race to Unlock Human DNA.* New York: Free Press, 2001.

Davis, Dena S. "Religious Attitudes towards Cloning: A Tale of Two Creatures." *Hofstra Law Review* 27 (1999): 569–578.

Dennett, Daniel C. *Consciousness Explained.* Boston: Little, Brown, 1991.

———. *Darwin's Dangerous Idea: Evolution and the Meanings of Life.* New York: Simon and Schuster, 1995.

Devine, Kate. "NIH Lifts Stem Cell Funding Ban, Issues Guidelines." *The Scientist* 14, no. 18 (2000): 8.

Devlin, Bernie, et al., eds. *Intelligence, Genes, and Success: Scientists Respond to the Bell Curve.* New York: Springer, 1997.

de Waal, Frans. *The Ape and the Sushi Master.* New York: Basic Books, 2001.

———. *Chimpanzee Politics: Power and Sex among Apes.* Baltimore: Johns Hopkins University Press, 1989.

———. "The End of Nature versus Nurture." *Scientific American* 281 (1999): 56–61.

Diamond, Jared. *The Third Chimpanzee.* New York: HarperCollins, 1992.

Dikötter, Frank. *Imperfect Conceptions: Medical Knowledge, Birth Defects and Eugenics in China.* New York: Columbia University Press, 1998.

———. "Throw-Away Babies: The Growth of Eugenics Policies and Practices in China." *The Times Literary Supplement*, January 12, 1996, pp. 4–5.

Diller, Lawrence H. *Running on Ritalin.* New York: Bantam Books, 1998.

———. "The Run on Ritalin: Attention Deficit Disorder and Stimulant Treatment in the 1990s." *Hasting Center Report* 26 (1996): 12–18.

Duster, Troy. *Backdoor to Eugenics.* New York: Routledge, 1990.

Dworkin, Ronald M. *Life's Dominion: An Argument about Abortion, Euthanasia, and Individual Freedom.* New York: Vintage Books, 1994.

———. *Sovereign Virtue: The Theory and Practice of Equality.* Cambridge, Mass.: Harvard University Press, 2000.

Eagley, Alice H. "The Science and Politics of Comparing Women and Men." *American Psychologist* 50 (1995): 145–158.

Eberstadt, Mary. "Why Ritalin Rules." *Policy Review*, April–May 1999, 24–44.

Eberstadt, Nicholas. "Asia Tomorrow, Gray and Male." *The National Interest* 53 (1998): 56–65.

———. "World Population Implosion?" *Public Interest*, no. 126 (February 1997): 3–22.

Echols, Marsha. "Food Safety Regulation in the EU and the US: Different Cultures, Different Laws." *Columbia Journal of European Law* 23 (1998): 525–543.

Ehlers, Vernon J. "The Case Against Human Cloning." *Hofstra Law Review* 27 (1999): 523–532.

Ehrlich, Paul. *Human Natures: Genes, Cultures, and the Human Prospect.* Washington, D.C./Covelo, Calif.: Island Press/Shearwater Books, 2000.

Eichenwald, Kurt. "Redesigning Nature: Hard Lessons Learned; Biotechnology Food: From the Lab to a Debacle." *The New York Times*, January 25, 2001, p. A1.

Eisenberg, Leon. "The Human Nature of Human Nature." *Science* 176 (1972): 123–128.

———. "Would Cloned Human Beings Really Be Like Sheep?" *New England Journal of Medicine* 340 (1999): 471–475.

Ezzell, Carol. "Beyond the Human Genome." *Scientific American* 283, no. 1 (July 2000): 64–69.

Farmer, Anne, and Michael J. Owen. "Genomics: The Next Psychiatric Revolution?" *British Journal of Psychiatry* 169 (1996): 135–138.

Fears, Robin, Derek Roberts, et al. "Rational or Rationed Medicine? The Promise of Genetics for Improved Clinical Practice." *British Medical Journal* 320 (2000): 933–935.

Fiandaca, Sherylynn. "In Vitro Fertilization and Embryos: The Need for International Guidelines." *Albany Law Journal of Science and Technology* 8 (1998): 337–404.

Finch, Caleb E., and Rudolph E. Tanzi. "Genetics of Aging." *Science* 278 (1997): 407–411.

Fischer, Claude S., et al. *Inequality by Design: Cracking the Bell Curve Myth.* Princeton, N.J.: Princeton University Press, 1996.

Fisher, Seymour, and Roger P. Greenberg. "Prescriptions for Happiness?" *Psychology Today* 28 (1995): 32–38.

Fletcher, R. "Intelligence, Equality, Character, and Education." *Intelligence* 15 (1991): 139–149.

Flynn, James Robert. "Massive IQ Gains in 14 Nations: What IQ Tests Really Measure." *Psychological Bulletin* 101 (1987): 171–191.

———. "The Mean IQ of Americans: Massive Gains 1932–1978." *Psychological Bulletin* 95 (1984): 29–51.

Foucault, Michel. *Madness and Civilization: A History of Insanity in the Age of Reason.* New York: Pantheon Books, 1965.

Fourastié, Jean. "De la vie traditionelle à la vie tertiaire." *Population* 14 (1963): 417–432.

Fox, Robin. "Human Nature and Human Rights." *The National Interest,* no. 62 (Winter 2000/01): 77–86.

Frank, Robert H. *Choosing the Right Pond: Human Behavior and the Quest for Status.* Oxford: Oxford University Press, 1985.

Frankel, Mark S., and Audrey R. Chapman. *Human Inheritable Genetic Modifications: Assessing Scientific, Ethical, Religious, and Policy Issues.* Washington, D.C.: American Association for the Advancement of Science, 2000.

Friedrich, M. J. "Debating Pros and Cons of Stem Cell Research." *Journal of the American Medical Association* 284, no. 6 (2000): 681–684.

Fukuyama, Francis. *The End of History and the Last Man.* New York: Free Press, 1992.

———. *The Great Disruption: Human Nature and the Reconstitution of Social Order.* New York: Free Press, 1999.

———. "Is It All in the Genes?" *Commentary* 104 (September 1997): 30–35.

———. "The March of Equality." *Journal of Democracy* 11 (2000): 11–17.

———. "Second Thoughts: The Last Man in a Bottle." *The National Interest,* no. 56 (Summer 1999): 16–33.

———. "Testimony Before the Subcommittee on Health, Committee on Energy and Commerce, Regarding H.R. 1644, 'The Human Cloning Prohibition Act of 2001,' and H.R. 2172, 'The Cloning Prohibition Act of 2001.' " June 20, 2001.

———. "Women and the Evolution of World Politics." *Foreign Affairs* 77 (1998): 24–40.

Fukuyama, Francis, Caroline Wagner, et al. *Information and Biological Revolutions: Global Governance Challenges—A Summary of a Study Group.* Santa Monica, Calif.: Rand MR-1139-DARPA, 1999.

Galston, William A. "Defending Liberalism." *American Political Science Review* 76 (1982): 621–629.

———. "Liberal Virtues." *American Political Science Review* 82, no. 4 (December 1988): 1277–1290.

Galton, Francis. *Hereditary Genius: An Inquiry into Its Laws and Consequences.* New York: Appleton, 1869.

Gardner, Howard. *Frames of Mind: The Theory of Multiple Intelligences.* New York: Basic Books, 1983.

———. *Multiple Intelligences: The Theory in Practice.* New York: Basic Books, 1993.

Glenmullen, Joseph. *Prozac Backlash: Overcoming the Dangers of Prozac, Zoloft, Paxil, and Other Antidepressants with Safe, Effective Alternatives.* New York: Simon and Schuster, 2000.

Glueck, Sheldon, and Eleanor Glueck. *Delinquency and Nondelinquency in Perspective.* Cambridge, Mass.: Harvard University Press, 1968.

Goldberg, Andrew, and Christophe Boesch. "The Cultures of Chimpanzees." *Scientific American* 284 (2001): 60–67.

Gould, Stephen Jay. *The Mismeasure of Man.* New York: W. W. Norton, 1981.

Gould, Stephen Jay, and R. C. Lewontin. "The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptionist Programme." *Proceedings of the Royal Society of London* 205 (1979): 81–98.

Grant, Madison. *The Passing of the Great Race; or, the Racial Basis of European History.* 4th ed., rev. New York: Charles Scribner's Sons, 1921.

Gross, Gabriel S. "Federally Funding Human Embryonic Stem Cell Research: An Administrative Analysis." *Wisconsin Law Review* 2000, no. 4 (2000): 855–884.

Grossman, Margaret R., and A. Bryan. "Regulation of Genetically Modified Organisms in the European Union." *American Behavioral Scientist* 44 (2000): 378–434.

Gupta, Aarti. "Governing Trade in Genetically Modified Organisms: The Cartagena Protocol on Biosafety." *Environment* 42 (2000): 22–27.

Guttentag, Marcia, and Paul F. Secord. *Too Many Women? The Sex Ratio Question.* Newbury Park, Calif.: Sage Publications, 1983.

Habermas, Jürgen. "Nicht die Natur verbietet das Klonen. Wir müssen selbst entscheiden. Eine Replik auf Dieter E. Zimmer." *Die Zeit*, no. 9, February 19, 1998.

Haller, Mark H. *Eugenics: Hereditarian Attitudes in American Thought.* New Brunswick, N.J.: Rutgers University Press, 1963.

Hallowell, Edward M., and John J. Ratey. *Driven to Distraction: Recognizing and Coping with Attention Deficit Disorder from Childhood Through Adulthood.* New York: Simon and Schuster, 1994.

Hamer, Dean. "A Linkage Between DNA Markers on the X Chromosome and Male Sexual Orientation." *Science* 261 (1993): 321–327.

Hanchett, Doug. "Ritalin Speeds Way to Campuses—College Kids Using Drug to Study, Party." *Boston Herald*, May 21, 2000, p. 8.

Haslberger, Alexander G. "Monitoring and Labeling for Genetically Modified Products." *Science* 287 (2000): 431–432.

Hassing, Richard F. "Darwinian Natural Right?" *Interpretation* 27 (2000): 129–160.
———, ed. *Final Causality in Nature and Human Affairs.* Washington, D.C.: Catholic University Press, 1997.
Heidegger, Martin. *Basic Writings.* New York: Harper and Row, 1957.
High, Jack, and Clayton A. Coppin. *The Politics of Purity: Harvey Washington Wiley and the Origins of Federal Food Policy.* Ann Arbor, Mich.: University of Michigan Press, 1999.
Hirschi, Travis, and Michael Gottfredson. *A General Theory of Crime.* Stanford, Calif.: Stanford University Press, 1990.
Howard, Ken. "The Bioinformatics Gold Rush." *Scientific American* 283, no. 1 (July 2000): 58–63.
Hrdy, Sarah B., and Glenn Hausfater. *Infanticide: Comparative and Evolutionary Perspectives.* New York: Aldine Publishing, 1984.
Hubbard, Ruth. *The Politics of Women's Biology.* New Brunswick, N.J.: Rutgers University Press, 1990.
Huber, Peter. *Orwell's Revenge: The 1984 Palimpsest.* New York: Free Press, 1994.
Hull, Terence H. "Recent Trends in Sex Ratios at Birth in China." *Population and Development Review* 16 (1990): 63–83.
Hume, David. *A Treatise of Human Nature.* London: Penguin Books, 1985.
Huxley, Aldous. *Brave New World.* New York: Perennial Classics, 1998.
Iklé, Fred Charles. "The Deconstruction of Death." *The National Interest,* no. 62 (Winter 2000/01): 87–96.
Jazwinski, S. Michal. "Longevity, Genes, and Aging." *Science* 273 (1996): 54–59.
Jefferson, Thomas. *The Life and Selected Writings of Thomas Jefferson.* New York: Modern Library, 1944.
Jencks, Christopher, and Meredith Phillips. *The Black–White Test Score Gap.* Washington, D.C.: Brookings Institution Press, 1998.
Jensen, Arthur R. "How Much Can We Boost IQ and Scholastic Achievement?" *Harvard Educational Review* 39 (1969): 1–123.
John Paul II. "Message to the Pontifical Academy of Sciences." October 22, 1996.
Joy, Bill. "Why the Future Doesn't Need Us." *Wired* 8 (2000): 238–246.
Joynson, Robert B. *The Burt Affair.* London: Routledge, 1989.
Juengst, Eric, and Michael Fossel. "The Ethics of Embryonic Stem Cells—Now and Forever, Cells Without End." *Journal of the American Medical Association* 284 (2000): 3180–3184.
Kamin, Leon. *The Science and Politics of IQ.* Potomac, Md.: L. Erlbaum Associates, 1974.
Kant, Immanuel. *Foundations of the Metaphysics of Morals.* Trans. Lewis White Beck. Indianapolis: Bobbs-Merrill, 1959.
Kass, Leon. "The Moral Meaning of Genetic Technology," *Commentary* 108 (1999): 32–38.
———. "Preventing a Brave New World: Why We Should Ban Cloning Now." *The New Republic,* May 21, 2001, pp. 30–39.

———. *Toward a More Natural Science: Biology and Human Affairs.* New York: Free Press, 1985.

Kevles, Daniel T., and Leroy Hood, eds. *The Code of Codes: Scientific and Social Issues in the Human Genome Project.* Cambridge, Mass.: Harvard University Press, 1992.

Kirkwood, Tom. *Time of Our Lives: Why Ageing Is Neither Inevitable nor Necessary.* London: Phoenix, 1999.

Kirsch, Irving, and Guy Sapirstein. "Listening to Prozac but Hearing Placebo: A Meta-Analysis of Antidepressant Medication." *Prevention and Treatment* 1 (1998).

Klam, Matthew. "Experiencing Ecstasy." *The New York Times Magazine*, January 21, 2001.

Kolata, Gina. *Clone: The Road to Dolly and the Path Ahead.* New York: William Morrow, 1998.

———. "Genetic Defects Detected In Embryos Just Days Old." *The New York Times*, September 24, 1992, p. A1.

Kolehmainen, Sophia. "Human Cloning: Brave New Mistake." *Hofstra Law Review* 27 (1999): 557–568.

Koplewicz, Harold S. *It's Nobody's Fault: New Hope and Help for Difficult Children and Their Parents.* New York: Times Books, 1997.

Kramer, Hilton, and Roger Kimball, eds. *The Betrayal of Liberalism: How the Disciples of Freedom and Equality Helped Foster the Illiberal Politics of Coercion and Control.* Chicago: Ivan R. Dee, 1999.

Kramer, Peter D. *Listening to Prozac.* New York: Penguin Books, 1993.

Krauthammer, Charles. "Why Pro-Lifers Are Missing the Point: The Debate over Fetal-Tissue Research Overlooks the Big Issue." *Time*, February 12, 2001, p. 60.

Kurzweil, Ray. *The Age of Spiritual Machines: When Computers Exceed Human Intelligence.* London: Penguin Books, 2000.

Lee, Cheol-Koo, Roger G. Klopp, et al. "Gene Expression Profile of Aging and Its Retardation by Caloric Restriction." *Science* 285 (1999): 1390–1393.

Lemann, Nicholas. *The Big Test: The Secret History of the American Meritocracy.* New York: Farrar, Straus and Giroux, 1999.

Lenoir, Noelle. "Europe Confronts the Embryonic Stem Cell Research Challenge." *Science* 287 (2000): 1425–1426.

LeVay, Simon. "A Difference in Hypothalamic Structure Between Heterosexual and Homosexual Men." *Science* 253 (1991): 1034–1037.

Lewis, Clive Staples. *The Abolition of Man.* New York: Touchstone, 1944.

Lewontin, Richard C. *The Doctrine of DNA: Biology as Ideology.* New York: Harper-Perennial, 1992.

———. *Inside and Outside: Gene, Environment, and Organism.* Worcester, Mass.: Clark University Press, 1994.

Lewontin, Richard C., Steven Rose, et al. *Not in Our Genes: Biology, Ideology, and Human Nature.* New York: Pantheon Books, 1984.

Lifton, Robert Jay. *The Nazi Doctors: Medical Killing and the Psychology of Genocide.* New York: Basic Books, 1986.

Locke, John. *An Essay Concerning Human Understanding.* Amherst, N.Y.: Prometheus Books, 1995.

Luttwak, Edward N. "Toward Post-Heroic Warfare." *Foreign Affairs* 74 (1995): 109–122.

Maccoby, Eleanor E. *The Two Sexes: Growing Up Apart, Coming Together.* Cambridge, Mass.: Belknap/Harvard, 1998.

Maccoby, Eleanor E., and Carol N. Jacklin. *Psychology of Sex Differences.* Stanford, Calif.: Stanford University Press, 1974.

Machan, Dyan, and Luisa Kroll. "An Agreeable Affliction." *Forbes*, August 12, 1996, 148.

MacIntyre, Alasdair. "Hume on 'Is' and 'Ought.'" *Philosophical Review* 68 (1959): 451–468.

MacKenzie, Ruth, and Silvia Francescon. "The Regulation of Genetically Modified Foods in the European Union: An Overview." *N.Y.U. Environmental Law Journal* 8 (2000): 530–554.

Mann, David M.A. "Molecular Biology's Impact on Our Understanding of Aging." *British Medical Journal* 315 (1997): 1078–1082.

Masters, Roger D. *Beyond Relativism: Science and Human Values.* Hanover, N.H.: University Press of New England, 1993.

———. "The Biological Nature of the State." *World Politics* 35 (1983): 161–193.

———. "Evolutionary Biology and Political Theory." *American Political Science Review* 84 (1990): 195–210.

Masters, Roger D., and Margaret Gruter, eds. *The Sense of Justice: Biological Foundations of Law.* Newbury Park, Calif.: Sage Publications, 1992.

Masters, Roger D., and Michael T. McGuire, eds. *The Neurotransmitter Revolution: Serotonin, Social Behavior, and the Law.* Carbondale, Ill.: Southern Illinois University Press, 1994.

Mayr, Ernst. *One Long Argument: Charles Darwin and the Genesis of Modern Evolutionary Thought.* Cambridge, Mass.: Harvard University Press, 1991.

McGee, Glenn. *The Human Cloning Debate.* Berkeley, Calif.: Berkeley Hills Books, 1998.

———. *The Perfect Baby: A Pragmatic Approach to Genetics.* Lanham, Md.: Rowman and Littlefield, 1997.

McGinn, Colin. "Hello HAL." *The New York Times Book Review*, January 3, 1999.

McHughen, Alan. *Pandora's Picnic Basket: The Potential and Hazards of Genetically Modified Foods.* Oxford: Oxford University Press, 2000.

McNeill, Paul M. *The Ethics and Politics of Human Experimentation.* Cambridge: Cambridge University Press, 1993.

McShea, Robert J. "Human Nature Theory and Political Philosophy." *American Journal of Political Science* 22 (1978): 656–679.

———. *Morality and Human Nature: A New Route to Ethical Theory.* Philadelphia: Temple University Press, 1990.

Mead, Margaret. *Coming of Age in Samoa: A Psychological Study of Primitive Youth for Western Civilization.* New York: William Morrow, 1928.

Mednick, Sarnoff, and William Gabrielli. "Genetic Influences in Criminal Convictions: Evidence from an Adoption Cohort." *Science* 224 (1984): 891–894.

Mednick, Sarnoff, and Terrie E. Moffit. *The Causes of Crime: New Biological Approaches*. New York: Cambridge University Press, 1987.

Melzer, Arthur M., et al., eds. *Technology in the Western Political Tradition*. Ithaca, N.Y.: Cornell University Press, 1993.

Miller, Barbara D. *The Endangered Sex: Neglect of Female Children in Rural Northern India*. Ithaca and London: Cornell University Press, 1981.

Miller, Henry I. "A Need to Reinvent Biotechnology Regulation at the EPA." *Science* 266 (1994): 1815–1819.

———. "A Rational Approach to Labeling Biotech-Derived Foods." *Science* 284 (1999): 1471–1472.

Miller, Henry I., and Gregory Conko. "The Science of Biotechnology Meets the Politics of Global Regulation." *Issues in Science and Technology* 17 (2000): 47–54.

Miller, Michelle D. "The Informed-Consent Policy of the International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use: Knowledge Is the Best Medicine." *Cornell International Law Journal* 30 (1997): 203–244.

Moore, G. E. *Principia Ethica*. Cambridge: Cambridge University Press, 1903.

Moravec, Hans P. *Robot: Mere Machine to Transcendent Mind*. New York: Oxford University Press, 1999.

Mosher, Steven. *A Mother's Ordeal: One Woman's Fight against China's One-Child Policy*. New York: Harcourt Brace Jovanovich, 1993.

Munro, Neil. "Brain Politics." *National Journal* 33 (2001): 335–339.

Murray, Charles. "Deeper into the Brain." *National Review* 52 (2000): 46–49.

———. "IQ and Economic Success." *Public Interest* 128 (1997): 21–35.

Murray, Charles, and Richard J. Herrnstein. *The Bell Curve: Intelligence and Class Structure in American Life*. New York: Free Press, 1995.

Muthulakshmi, R. *Female Infanticide: Its Causes and Solutions*. New Delhi: Discovery Publishing House, 1997.

National Bioethics Advisory Commission. *Cloning Human Beings*. Rockville, Md.: National Bioethics Advisory Commission, 1997.

———. *Ethical and Policy Issues in Research Involving Human Participants, Final Recommendations*. Rockville, Md.: National Bioethics Advisory Commission, 2001.

Neisser, Ulric, ed. *The Rising Curve: Long-Term Gains in IQ and Related Measures*. Washington, D.C.: American Psychological Association, 1998.

Neisser, Ulric, Gweneth Boodoo, et al. "Intelligence: Knowns and Unknowns." *American Psychologist* 51 (1996): 77–101.

Nelkin, Dorothy, and Emily Marden. "Cloning: A Business without Regulation." *Hofstra Law Review* 27 (1999): 569–578.

Newby, Robert G., and Diane E. Newby. "The Bell Curve: Another Chapter in the Continuing Political Economy of Racism." *American Behavioral Scientist* 39 (1995): 12–25.

Nietzsche, Friedrich. *The Portable Nietzsche*, edited by Walter Kaufmann. New York: Viking, 1968.

Norman, Michael. "Living Too Long." *The New York Times Magazine*, January 14, 1996, pp. 36–38.

Nuffield Council on Bioethics. *Genetically Modified Crops: The Ethical and Social Issues*. London, England: Nuffield Council on Bioethics, 1999.

Orwell, George. *1984*. New York: Knopf, 1999.

Paarlberg, Robert. "The Global Food Fight." *Foreign Affairs* 79 (2000): 24–38.

Panigrahi, Lalita. *British Social Policy and Female Infanticide in India*. New Delhi: Munshiram Manoharlal, 1972.

Park, Chai Bin. "Preference for Sons, Family Size, and Sex Ratio: An Empirical Study in Korea." *Demography* 20 (1983): 333–352.

Paul, Diane B. *Controlling Human Heredity: 1865 to the Present*. Atlantic Highlands, N.J.: Humanities Press, 1995.

———. "Eugenic Anxieties, Social Realities, and Political Choices." *Social Research* 59 (1992): 663–683.

Pearson, Karl. *National Life from the Standpoint of Science*. 2d ed. Cambridge: Cambridge University Press, 1919.

Pearson, Veronica. "Population Policy and Eugenics in China." *British Journal of Psychiatry* 167 (1995): 1–4.

Piers, Maria W. *Infanticide*. New York: W. W. Norton, 1978.

Pinker, Steven. *How the Mind Works*. New York: W. W. Norton, 1997.

———. *The Language Instinct*. New York: HarperCollins, 1994.

Pinker, Steven, and Paul Bloom. "Natural Language and Natural Selection." *Behavioral and Brain Sciences* 13 (1990): 707–784.

Plato, *The Republic*.

Plomin, Robert. "Genetics and General Cognitive Ability." *Nature* 402 (1999): C25–C44.

Pool, Ithiel de Sola. *Technologies of Freedom*. Cambridge, Mass.: Harvard/Belknap, 1983.

Posner, Eric A., and Richard A. Posner. "The Demand for Human Cloning." *Hofstra Law Review* 27 (1999): 579–608.

Postrel, Virginia I. *The Future and Its Enemies: The Growing Conflict over Creativity, Enterprise, and Progress*. New York: Touchstone Books, 1999.

Rappley, Marsha, Patricia B. Mullan, et al. "Diagnosis of Attention-Deficit/Hyperactivity Disorder and Use of Psychotropic Medication in Very Young Children." *Archives of Pediatrics and Adolescent Medicine* 153 (1999): 1039–1045.

Raustiala, Kal, and David Victor. "Biodiversity since Rio: The Future of the Convention on Biological Diversity." *Environment* 38 (1996): 16–30.

Rawls, John. *A Theory of Justice*. Rev. ed. Cambridge, Mass.: Harvard/Belknap, 1999.

Ridley, Matt. *Genome: The Autobiography of a Species in 23 Chapters*. New York: HarperCollins, 2000.

———. *The Red Queen: Sex and the Evolution of Human Nature.* New York: Macmillan, 1993.
Rifkin, Jeremy. *Algeny: A New Word, a New World.* New York: Viking, 1983.
Rifkin, Jeremy, and Ted Howard. *Who Should Play God?* New York: Dell, 1977.
Robertson, John A. *Children of Choice: Freedom and the New Reproductive Technologies.* Princeton, N.J.: Princeton University Press, 1994.
Rose, Michael R. *Evolutionary Biology of Aging.* New York: Oxford University Press, 1991.
———. "Finding the Fountain of Youth." *Technology Review* 95, no. 7 (October 1992): 64–69.
Rosenberg, Alexander. *Darwinism in Philosophy, Social Science, and Policy.* Cambridge: Cambridge University Press, 2000.
Rosenthal, Stephen J. "The Pioneer Fund: Financier of Fascist Research." *American Behavioral Scientist* 39 (1995): 44–62.
Rosman, Lewis. "Public Participation in International Pesticide Regulation: When the Codex Commission Decides." *Virginia Environmental Law Journal* 12 (1993): 329.
Roush, Wade. "Conflict Marks Crime Conference; Charges of Racism and Eugenics Exploded at a Controversial Meeting." *Science* 269 (1995): 1808–1809.
Rowe, David. "A Place at the Policy Table: Behavior Genetics and Estimates of Family Environmental Effects on IQ." *Intelligence* 24 (1997): 133–159.
Runge, C. Ford, and Benjamin Senauer. "A Removable Feast." *Foreign Affairs* 79 (2000): 39–51.
Ruse, Michael. "Biological Species: Natural Kinds, Individuals, or What?" *British Journal for the Philosophy of Science* 38 (1987): 225–242.
Ruse, Michael, and David L. Hull, eds. *The Philosophy of Biology.* New York: Oxford University Press, 1998.
Ruse, Michael, and Edward O. Wilson. "Moral Philosophy as Applied Science: A Darwinian Approach to the Foundations of Ethics." *Philosophy* 61 (1986): 173–192.
Russo, Eugene. "Reconsidering Asilomar." *The Scientist* 14 (April 3, 2000): 15–21.
Sampson, Robert J., and John H. Laub. *Crime in the Making: Pathways and Turning Points Through Life.* Cambridge, Mass.: Harvard University Press, 1993.
Sandel, Michael J. *Democracy's Discontent: America in Search of a Public Philosophy.* Cambridge, Mass.: Harvard University Press, 1996.
Schlesinger, Arthur M., Jr. *The Cycles of American History.* Boston: Houghton Mifflin, 1986.
Schultz, William F. "Comment on Robin Fox." *The National Interest*, no. 63 (Spring 2001): 124–125.
Searle, John R. *The Mystery of Consciousness.* New York: New York Review Books, 1997.
———. *The Rediscovery of Mind* (Cambridge, Mass.: MIT Press, 1992).
Shapiro, Harold T. "Ethical and Policy Issues of Human Cloning." *Science* 277 (1997): 195–197.
Silver, Lee M. *Remaking Eden: Cloning and Beyond in a Brave New World.* New York: Avon, 1998.

Singer, Peter, and Paola Cavalieri. *The Great Ape Project: Equality Beyond Humanity.* New York: St. Martin's Press, 1995.

Singer, Peter, and Helga Kuhse, eds. *Bioethics: An Anthology.* Oxford: Blackwell, 1999.

Singer, Peter, and Susan Reich. *Animal Liberation.* New York: New York Review of Books Press, 1990.

Sloan, Phillip R., eds. *Controlling Our Desires: Historical, Philosophical, Ethical, and Theological Perspectives on the Human Genome Project.* Notre Dame, Ind.: University of Notre Dame Press, 2000.

Sloterdijk, Peter. "Regeln für den Menschenpark: Ein Antwortschreiben zum Brief über den Humanismus." *Die Zeit,* no. 38, September 16, 1999.

Solingen, Etel. "The Political Economy of Nuclear Restraint." *International Security* 19 (1994): 126–169.

Spearman, Charles. *The Abilities of Man: Their Nature and Their Measurement.* New York: Macmillan, 1927.

Stattin, H., and I. Klackenberg-Larsson. "Early Language and Intelligence Development and Their Relationship to Future Criminal Behavior." *Journal of Abnormal Psychology* 102 (1993): 369–378.

Sternberg, Robert J., and Elena L. Grigorenko, eds. *Intelligence, Heredity, and Environment.* Cambridge: Cambridge University Press, 1997.

Stock, Gregory, and John Campbell, eds. *Engineering the Human Germline: An Exploration of the Science and Ethics of Altering the Genes We Pass to Our Children.* New York: Oxford University Press, 2000.

Strauss, William, and Neil Howe. *The Fourth Turning: An American Prophecy.* New York: Broadway Books, 1997.

Symons, Donald. *The Evolution of Human Sexuality.* Oxford: Oxford University Press, 1979.

Talbot, Margaret. "A Desire to Duplicate." *The New York Times Magazine,* February 4, 2001, pp. 40–68.

Taylor, Charles. *Sources of the Self: The Making of the Modern Identity.* Cambridge, Mass.: Harvard University Press, 1989.

Taylor, Sarah E. "FDA Approval Process Ensures Biotech Safety." *Journal of the American Dietetic Association* 100, no. 10 (2000): 3.

Tribe, Laurence H. "Second Thoughts on Cloning." *The New York Times,* December 5, 1997.

Trivers, Robert. "The Evolution of Reciprocal Altruism." *Quarterly Review of Biology* 46 (1971): 35–56.

———. *Social Evolution.* Menlo Park, Calif.: Benjamin/Cummings, 1985.

Uchtmann, Donald L., and Gerald C. Nelson. "US Regulatory Oversight of Agricultural and Food-Related Biotechnology." *American Behavioral Scientist* 44 (2000): 350–377.

Varma, Jay K. "Eugenics and Immigration Restriction: Lessons for Tomorrow." *Journal of the American Medical Association* 275 (1996): 734.

Venter, J. Craig, et al. "The Sequence of the Genome." *Science* 291 (2001): 1304–1351.

Wade, Nicholas. "Of Smart Mice and Even Smarter Men." *The New York Times,* September 7, 1999, p. F1.

———. "A Pill to Extend Life? Don't Dismiss the Notion Too Quickly." *The New York Times*, September 22, 2000, p. A20.
———. "Searching for Genes to Slow the Hands of Biological Time." *The New York Times*, September 26, 2000, p. D1.
Wallace, Helen, and William Wallace. *Policy-Making in the European Union*. Oxford and New York: Oxford University Press, 2000.
Walser, Bryan L. "Shared Technical Decisionmaking and the Disaggregation of Sovereignty." *Tulane Law Review* 72 (1998): 1597–1697.
Wasserman, David. "Science and Social Harm: Genetic Research into Crime and Violence." *Report from the Institute for Philosophy and Public Policy* 15 (1995): 14–19.
Watson, Rory. "EU Institutions Divided on Therapeutic Cloning." *British Medical Journal* 321 (2000): 658.
Weir, Robert F., Susan C. Lawrence, et al., eds. *Genes, Humans, and Self-Knowledge*. Iowa City: University of Iowa Press, 1994.
Wilke, Tom. *Perilous Knowledge: The Human Genome Project and Its Implications*. Berkeley and Los Angeles: University of California Press, 1993.
Wilmut, Ian, Keith Campbell, and Colin Tudge. *The Second Creation: Dolly and the Age of Biological Control*. New York: Farrar, Straus and Giroux, 2000.
Wilson, David Sloan, and Elliott Sober. "Reviving the Superorganism." *Journal of Theoretical Biology* 136 (1989): 337–356.
Wilson, Edward O. *Consilience: The Unity of Knowledge*. New York: Knopf, 1998.
———. *On Human Nature*. Cambridge, Mass.: Harvard University Press, 1978.
———. "Reply to Fukuyama." *The National Interest*, no. 56 (Spring 1999): 35–37.
Wilson, James Q. *Bureaucracy: What Government Agencies Do and Why They Do It*. New York: Basic Books, 1989.
Wilson, James Q. and Richard J. Herrnstein. *Crime and Human Nature*. New York: Simon and Schuster, 1985.
Wingerson, Lois. *Unnatural Selection: The Promise and the Power of Human Gene Research*. New York: Bantam Books, 1998.
Wolfe, Tom. *Hooking Up*. New York: Farrar, Straus and Giroux, 2000.
———. "Sorry, but Your Soul Just Died." *Forbes ASAP*, December 2, 1996.
Wolfson, Adam. "Politics in a Brave New World." *Public Interest* no. 142 (Winter 2001): 31–43.
World Trade Organization. *Trading into the Future*. 2d ed., rev. Lausanne: World Trade Organization, 1999.
Wrangham, Richard, and Dale Peterson. *Demonic Males: Apes and the Origins of Human Violence*. Boston: Houghton Mifflin, 1996.
Wright, Robert. *Nonzero: The Logic of Human Destiny*. New York: Pantheon, 2000.
Wurtzel, Elizabeth. "Adventures in Ritalin." *The New York Times*, April 1, 2000, p. A15.
———. *Prozac Nation: A Memoir*. New York: Riverhead Books, 1994.
Zito, Julie Magno, Daniel J. Safer, et al. "Trends in the Prescribing of Psychotropic Medications to Preschoolers." *Journal of the American Medical Association* 283 (2000): 1025–1060.

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CONSEQUENCES OF
THE BIOTECHNOLOGY REVOLUTION

弗朗西斯·福山是最有天赋和最独具匠心的社会学家之一。他的《我们的后人类未来：生物技术革命的后果》提出了一个最值得认真分析的当代最重要的社会问题和哲学问题，他把对现代生物技术和基因工程的发展趋势的分析与深刻的哲学思考有效地结合起来。在福山看来，生物技术控制人是极危险的，“现代生物技术生产的最大危险在于它有可能改变人类的本性，从而把我们引入‘后人类’的历史时代”。因为在生物技术的影响下，人的本性正在发生根本性的变化。人性成分的丧失有可能反映在社会结构中，使社会明显分层，最终导致人类丧失进行道德选择的能力。

——[俄]B.Л.伊诺泽姆采夫（莫斯科经济学院教授）

展望现代科技的发展前景时，必须摆脱人类中心主义的思路，唯其如此才能预见危机。但是——这个“但是”非常重要，我认为《我们的后人类未来》最大的价值正在于此：反思现代科技所带来的伦理问题和政治问题时，人类中心主义却是必须坚持的原则和底线，唯其如此才能解除危机。

——周濂（中国人民大学哲学院教授）

第一个克隆人很快就会诞生。但是，“它”真的是“人”吗？如果一个孩子的个性是从“基因超市”中选择出来的，“他”还能是“人”吗？如果我们能够自由选择我们想要创造出来的样子，那么会对道德产生什么后果？这意味着人类的本性终结了吗？

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